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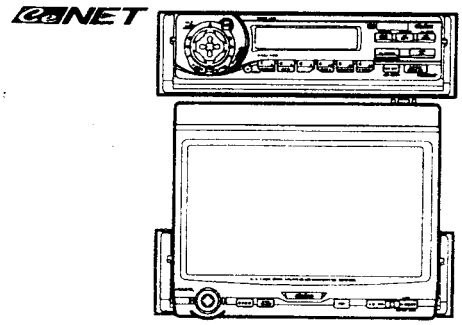
Service Manual



6.5" Monitor & RDS-EON FM/MW/ LW Radio With CD/MD Changer Control

Model **VRX613R**
(QC-6700E-C)

SPECIFICATIONS

Radio section

Frequency range:	FM	87.5MHz to 108.0MHz
	MW	531kHz to 1602kHz
	LW	153kHz to 279kHz

Audio amplifier section

Rated power output: 17W×4(20Hz to 20kHz,1%,4Ω)
Maximum power output:
40W×4
Speaker impedance: 4Ω(4 to 8Ω)

Input/Output section

RGB input: Video:0.7±0.2Vp-p
(input impedance 75Ω)
Synchronize:0.3 +0.9/−0.1Vp-p
(input impedance 75Ω)
Video input: 1.0±0.2Vp-p
(Input impedance 75Ω)
Audio output: min.200mVrms

LCD monitor section

Screen size: 6.5-inch wide type
(142mm Width×78mm Height)
Display method: Transmission type TN Liquid Crystal Display
Drive method: TFT(thin-film transistor) active matrix driving
Pixels: 280,800(1200×234)

General

Power source voltage: 14.4V DC
(10.8 to 15.6V allowable)
Ground: Negative
Current consumption: 4.0A(1W)
Auto antenna rated current:
500mA less

Dimensions(mm): Main unit
178(W)×50(H)×157(D)
Remote control unit
44(W)×110(H)×27(D)
Weight: Main unit 1.7kg
Remote control unit 30g
(including battery)

NOTES

※ Use a CeNET extension cable that is less than 20m in length.(including the Y-adapter CCA-519)
※ We cannot supply PWB with component parts in principle. When a circuit on PWB has failure , please repair it by component parts base. Parts which are not mentioned in service manual are not supplied.
※ CD-ROM discs cannot be played in the CD changer.
※ This unit can display title data for CD-text CDs and user titles input with this unit.
※ Specifications and design are subject to change without notice for further improvement.

COMPONENTS

QC-6700E-C

Main unit	—————	1
Remote control unit	RCB-130-310	1
Battery(SUM-3)	—————	2
Universal mounting bracket	300-9677-00	1
DCP case	335-6035-41	1
Power supply lead	854-6357-51	1
Outer escutcheon	940-7715-04	1
Parts bag(No.1)	—————	
Flat head screw(M5×8)	714-5008-41	4
Sems hexagonal bolt(M5×8)	716-0496-01	5
Parts bag(No.2)	—————	
Hook plate	331-0488-20	2
Cord clamp	335-0833-07	1
Spacer	345-3653-20	1
Screw	716-0726-01	1

■ To engineers in charge of repair or inspection of our products.

Before repair or inspection, make sure to follow the instructions so that customers and Engineers in charge of repair or inspection can avoid suffering any risk or injury.

1. Use specified parts.
   The system uses parts with special safety features against fire and voltage. Use only parts with equivalent characteristics when replacing them.
   The use of unspecified parts shall be regarded as remodeling for which we shall not be liable. The onus of product liability (PL) shall not be our responsibility in cases where an accident or failure is as a result of unspecified parts being used.
2. Place the parts and wiring back in their original positions after replacement or re-wiring.
   For proper circuit construction, use of insulation tubes, bonding,gaps to PWB, etc, is involved. The wiring connection and routing to the PWB are specially planned using clamps to keep away from heated and high voltage parts. Ensure that they are placed back in their original positions after repair or inspection.
   If extended damage is caused due to negligence during repair, the legal responsibility shall be with the repairing company.
3. Check for safety after repair.
   Check that the screws, parts and wires are put back securely in their original position after repair. Ensure for safety reasons there is no possibility of secondary ploblems around the repaired spots.
   If extended damage is caused due to negligence of repair, the legal responsibility shall be with the repairing company.
4. Caution in removal and making wiring connection to the parts for the automobile.
   Disconnect the battery terminal after turning the ignition key off. If wrong wiring connections are made with the battery connected, a short circuit and/or fire may occur.
   If extensive damage is caused due to negligence of repair, the legal responsibility shall be with the repairing company.
5. Cautions regarding chips.
   Do not reuse removed chips even when no abnormality is observed in their appearance. Always replace them with new ones. (The chip parts include resistors, capacitors, diodes, transistors, etc). The negative pole of tantalum capacitors is highly susceptible to heat, so use special care when replacing them and check the operation afterwards.
6. Cautions in handling flexible PWB
   Before working with a soldering iron, make sure that the iron tip temperature is around 270°C. Take care not to apply the iron tip repeatedly(more than three times)to the same patterns. Also take care not to apply the tip with force.
7. Turn the unit OFF during disassembly and parts replacement. Recheck all work before you apply power to the unit.

■ ERROR DISPLAYS

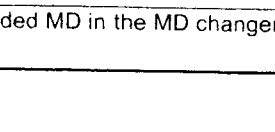
If an error occurs,one of the following displays is displayed.Take the measures described below to eliminate the problem.

	Error display	Cause	Measure
CD	ERROR 2	A CD is caught inside the CD deck and is not ejected.	This is a failure of CD deck's mechanism.
	ERROR 3	A CD cannot be played due to scratches,etc.	Replace with a non-scratched,non-warped disc.
	ERROR 6	A CD is loaded upside-down inside the CD deck and does not play.	Eject the disc then reload it properly.
CD changer	ERROR 2	A CD inside the CD changer is not loaded.	This is a failure of CD changer's mechanism.
	ERROR 3	A CD inside the CD changer cannot be played due to scratches,etc.	Replace with a non-scratched,non-warped disc.
	ERROR 6	A CD inside the CD changer cannot be played because it is loaded upside-down.	Eject the disc then reload it properly.
MD changer	ERROR H	Displayed when the temperature in the MD changer is too high and playback has been stopped automatically.	Lower the surrounding temperature and wait for a while to cool off MD changer.
	EERROR 2	An MD inside the MD changer is not loaded.	This is a failure of MD changer's mechanism.
	ERROR 3	An MD inside the MD changer cannot be played due to scratches,etc.	Replace with a non-scratched,non-warped disc.
	ERROR 6	An MD inside the MD changer cannot be played because it is loaded upside-down.	Eject the disc then reload it properly.
		Displayed when a non-recorded MD is loaded in the MD changer.	Load a pre-recorded MD in the MD changer.

Note:If an error display other than the ones described above appears, press the reset button.

■ TROUBLESHOOTING

Problem	Cause	Measure
Nothing happens when buttons are pressd. Display is not accurate.	The microprocessor has malfunction due to noise,etc.	Turn off the power,then press the RELEASE lever and remove the DCP.Press the Reset button for about 2 seconds with a thin rod.



■EXPLANATION OF IC

052-6043-02 M30624MG-D58GP AV Center System Controller (Tuner,LCD panel,Ce-NET,RDS,Volume IC)

1. Terminal Description

pin 1: LCD COLOR : O : Color control signal output to LCD panel.
pin 2: LCD HUE : O : Hue control signal output to LCD panel.
pin 3: IR IN : IN : Signal input from Remote controller.
pin 4: AMP REM OUT : O : Amplifier ON signal output terminal.
pin 5: RDS CLOCK : IN : RDS clock input from RDS decorder.
pin 6: BYTE : IN : Connect to ground.
pin 7: CNVSS : IN : Connect to ground.
pin 8: SUB CLCK I : IN : Crystal connection for sub clock.
pin 9: SUB CLCK O : O : Crystal connection for sub clock.
pin 10: RESET_ : IN : Reset signal input. Negative logic.
pin 11: X OUT : O : Crystal connection for main clock(10MHz).
pin 12: VSS : - : Ground.
pin 13: X IN : IN : Crystal connection for main clock(10MHz).
pin 14: VCC : - : Positive supply voltage.
pin 15: NMI : IN : Not in use.
pin 16: ACC DET : IN : ACC ON signal input.
pin 17: B/U DET : IN : Backup voltage ON signal input. "L"=Backup OFF.
pin 18: OPEN/CLOSE : IN : Open/close key input.
pin 19: 27pinCONNECT : IN : IE bus data detect.
pin 20: ACC +B ON : O : LCD back light ON signal output.
pin 21: AV 5V ON : O : 5V power supply ON signal output.
pin 22: NU : IN : Not in use.
pin 23: PANEL ON : O : LCD panel power on signal output.
pin 24: BRT : O : LCD panel brightness control signal output.
pin 25: NU : IN : Not in use.
pin 26: IR OUT : O : Signal output to Remote controller.
pin 27: IE BUS RX : IN : IE Bus communication line.
pin 28: IE BUS TX : O : IE Bus communication line.
pin 29: OSD DO : O : Serial data output to OSD IC.
pin 30: OSD STB : O : Serial strobe output to OSD IC.
pin 31: OSD SCK : O : Clock pulse output to OSD IC.
pin 32: PLL CE : O : PLL chip enable signal output.
pin 33: PLL DO : O : PLL serial data output.
pin 34: PLL DI : IN : PLL serial data input.
pin 35: PLL SCK : O : PLL serial clock output.
pin 36: FM STEREO_ : IN : FM stereo detection signal input. "L"= Stereo.
pin 37: NU : IN : Not in use.
pin 38: NU : IN : Not in use.
pin 39: AV ON : O : Power supply control signal output.
pin 40: OSD TSC : O : OSD external memory control signal output.
pin 41: NU : IN : Not in use.
pin 42: VOL CLK : O : Clock pulse output to electric volume IC.
pin 43: VOL DO : O : Serial data output to electric volume IC.
pin 44: OPEN : IN : Panel open detection signal input.
pin 45: CLOSE : IN : Panel close detection signal input.
pin 46: NU : O : Not in use.
pin 47: PAL_/NTSC : O : "L"= PAL, "H"= NTSC.
pin 48: EXIO STB : O : Strobe pulse output to the extended ports IC.
pin 49: SEL 2 : IN : AUX IN select signal input. Ref table 1.
pin 50: SEL 3 : IN : AUX IN select signal input. Ref table 1.
pin 51: NU : IN : Not in use.
pin 52: NU : IN : Not in use.
pin 53: NU : IN : Not in use.
pin 54: NU : IN : Not in use.
pin 55: V SEL 1 : O : Image source select signal output. Ref. Table 2.
pin 56: V SEL 2 : O : Image source select signal output. Ref. Table 2.
pin 57: BLANK : O : Blanking signal output.
pin 58: NV ON : O : "H"= Navigation RGB, "L"= OSD RGB.
pin 59: VIDEO_/RGB : O : Image select signal input. "H"= OSD, RGB navigation. "L"= Black box tuner, Composite navigation.
pin 60: VCC : - : Positive supply voltage.
pin 61: NU : IN : Not in use..
pin 62: VSS : IN : Ground.
pin 63: IR SEL : O : Remote control signal select. "L"= Optical input."H"= Micro computer signal output.
pin 64: NU : IN : Not in use.
pin 65: MOTOR F : O : "L"= Open.
pin 66: MOTOR R : O : "L"= Close.
pin 67: MOTOR ON : O : Motor power supply ON signal output.
pin 68: AMP MUTE : O : "H"= Amplifier Mute.
pin 69: NAVI MUTE : O : "L"= Navigation audio signal ON.
pin 70: KEY REQ : IN : LCD driver key request signal input.
pin 71: ILL DETEC_ : IN : Illumination detect signal input. Negative logic.
pin 72: TILT_ : IN : "L"= Tilt, "H"= Horizontal.
pin 73: POWER SW : IN : Power key switch input.
pin 74: SYSTM MUTE : O : System mute.
pin 75: LINE MUTE : O : Line mute.
pin 76: BUS A OUT : O : Ce-NET bus input control. "L"= Audio input. "H"= Audio output.
pin 77: SYSTM ACC : O : Ce-NET bus system ACC.
pin 78: NU : IN : Not in use.
pin 79: AMP STNBY_ : O : "H"= Amplifier ON.
pin 80: NU : O : Not in use.
pin 81: PHON INT : IN : Telephone interrupt signal input.
pin 82: NU : IN : Not in use.
pin 83: NU : IN : Not in use.
pin 84: FM SD : IN : FM SD input.
pin 85: AM SD : IN : AM SD input.
pin 86: RDS DATA : IN : RDS data input.
pin 87: RDS DIS CH : O : RDS noise clear.
pin 88: RDS MUTE : O : RDS mute.
pin 89: S METER : IN : S meter input.
pin 90: NOISE 1 : IN : RDS noise detector input.
pin 91: NU : IN : Not in use.
pin 92: NU : IN : Not in use.
pin 93: SD SPEED : O : Station detect speed control. "H"= Normal, "L"= Speed up.
pin 94: A VSS : - : Ground.
pin 95: DCP CE : O : DCP chip enable.
pin 96: Vref : - : Connect to ground.
pin 97: +5V : - : +5V.
pin 98: DCP DI : IN : DCP Serial data input.
pin 99: DCP DO : O : DCP serial data output.
pin100: DCP CK : O : DCP clock pulse output.

Table 1. AUX IN select signal input

	Sel3(pin50)	Sel2(pin49)
No connection	L	L
No connection	L	H
Image signal interrupt	H	L
Image sound signal interrupt	H	H

Table 2. Image source select signal output.

	Vsel 2(pin56)	Vsel 1(pin55)
Video mute	L	L
Navigation	L	H
Black box tuner	H	L
Black box tuner	H	H

SYSTEM CHECK

※ The confirmation of connected equipment must be performed for this unit only when the wiring connection is complete and power is turned on to the unit first.When the power is supplied,"SYSTEM" and "PUSH PWR" appear alternately in the display.Press the POWER button,the system check starts inside the unit.When "COMPLETE" appears,press once again the POWER button.

ADJUSTMENTS

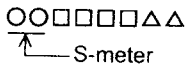
Dot clock adjustment(at Digital PWB)

1. Turn the screen on,and connect TP601(TEST) to GND.
2. Adjust TC601 so that the reading of the frequency counter at TP602(VSYNC) is 12MHz±0.02MHz.

S-meter adjustment(at tuner pack)

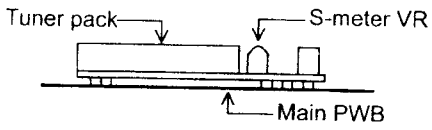
1. Input the 98.1MHz/30dBμ(400Hz,30% MOD)signal.
2. To make a test mode,press the preset button 6 more than 1 second while holding the PLAY/PAUSE button.
3. Adjust s-meter VR of the tuner pack so that the reading of the display is "28".

● **Test mode display**



—Fig.1—

● **Side view of the main PWB**

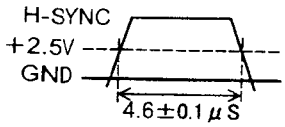


—Fig.2—

H-sync adjustment(at LCD and LCD PWB)

1. Adjust H-POS VR of the LCD module so that the width of H-SYNC pulse at 2.5V is 4.6±0.1μsec.

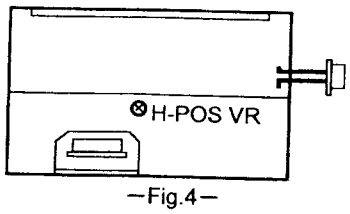
● **HSY wave form**



VOLTS/DIV=1V
A·B TIME/DIV=0.5μsec.

—Fig.3—

● **Reverse side view of LCD**



—Fig.4—

DC-DC converter output voltage adjustment (at LCD PWB)

1. Adjust VR701 so that the voltage of TP703 is 5.3±0.02V.
2. Make sure the voltage has become the following value at each test point.
   TP702 : 7.5±0.5V
   TP704 : 13.0±0.5V
   TP701 : −16.0±0.5V

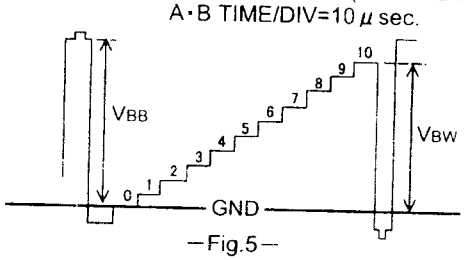
Frequency of IC706 adjustment(at LCD PWB)

1. Adjust VR708 so that the frequency of TP712 is 144kHz.

VIDEO signal adjustment(at LCD PWB)

(1~7:NTSC, 8:PAL)
Input the visual signal(10step wave,monochrome,APL=50%, 1.0Vp-p)to the VIDEO input.

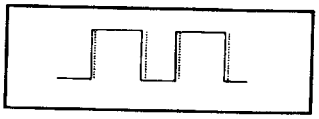
● **10step wave** VOLTS/DIV=0.1V(10:1PROVE)
A·B TIME/DIV=10μsec.



—Fig.5—

1. BRIGHT voltage confirmation
   Make sure the voltage of TP706 is 2.0±0.1V.
2. γ0 voltage confirmation
   Make sure the voltage of TP707 is 1.95±0.1V.
3. γ2 voltage confirmation
   Make sure the voltage of TP708 is 2.15±0.1V.
4. RGB-AMP/CONT-G adjustment
   Adjust VR707(RBG AMP) so that VBB voltage of TP710 is 4.0±0.05V.
   Adjust VR703(CONT) so that VBW voltage of TP710 is 3.8±0.05V.
5. BRT-R Adjustment
   Adjust VR705(BRT-R) so that VBB voltage of TP711 is 4.0±0.05V.
6. BRT-B Adjustment
   Adjust VR706(BRT-B) so that VBB voltage of TP709 is 4.0±0.05V.
7. COM-AMP adjustment
   Adjust VR704(COM-AMP) so that the amplitude of TP705 is 8.0±0.1Vp-p.
8. Burst cleaning adjustment
   Input a color ber signal.
   Adjust L709 so that the wave form of TP709 is infocus.

● **Burst cleaning**



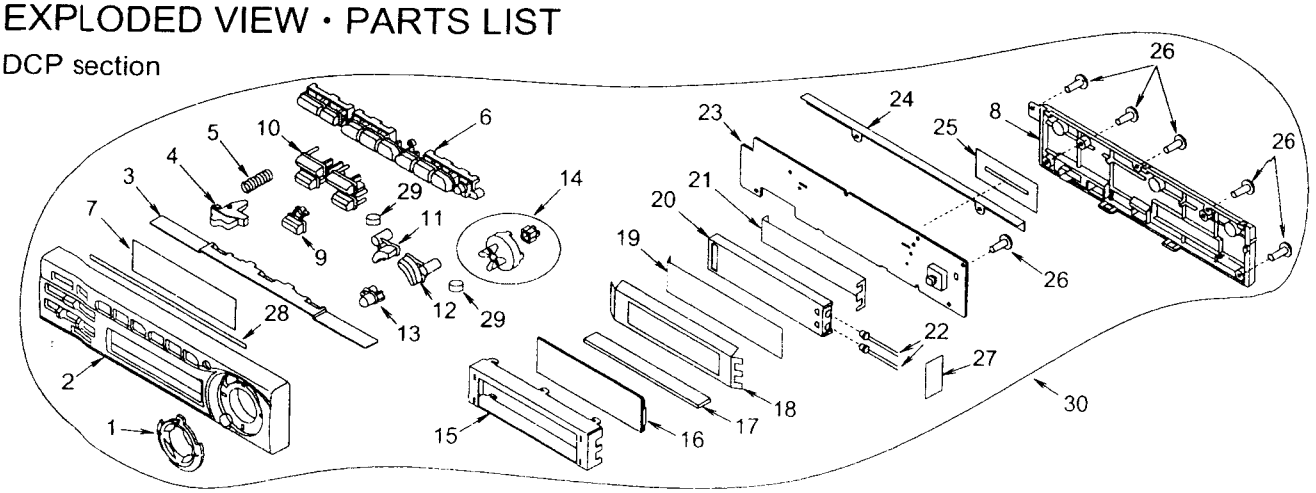
—Fig.6—

VCOM DC bias adjustment

Adjust VR702(VCOM DC) to obtain the optimum contrast.

■EXPLODED VIEW • PARTS LIST

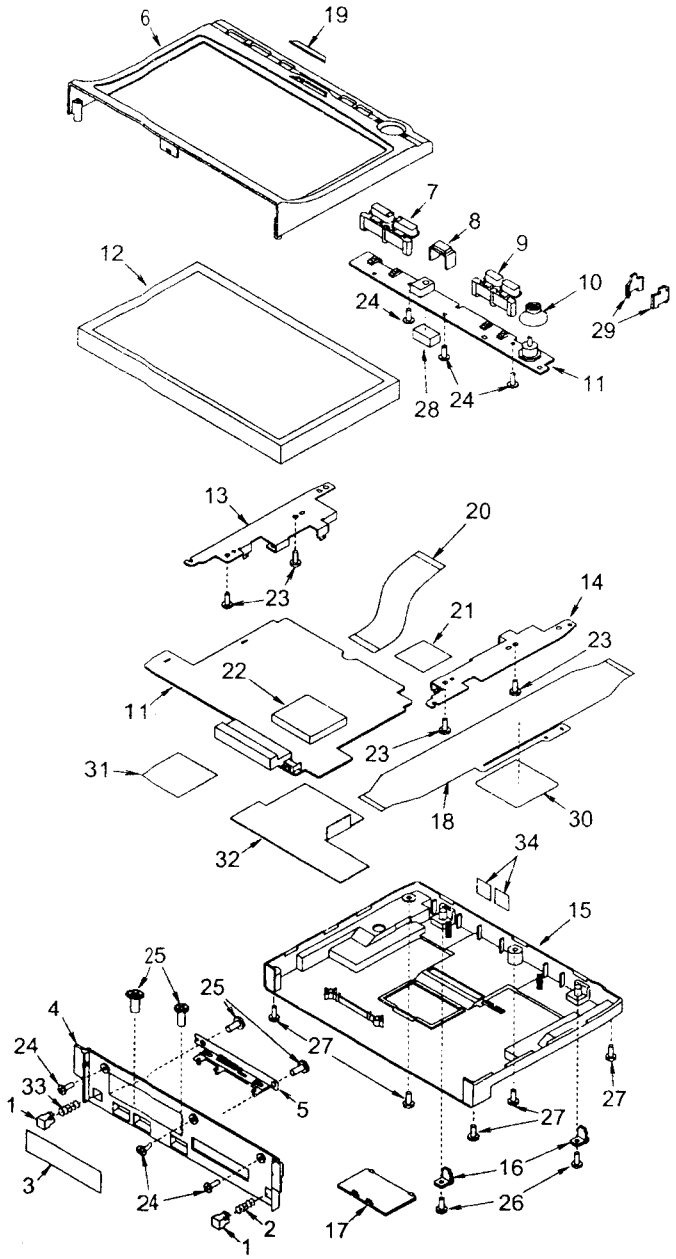
DCP section



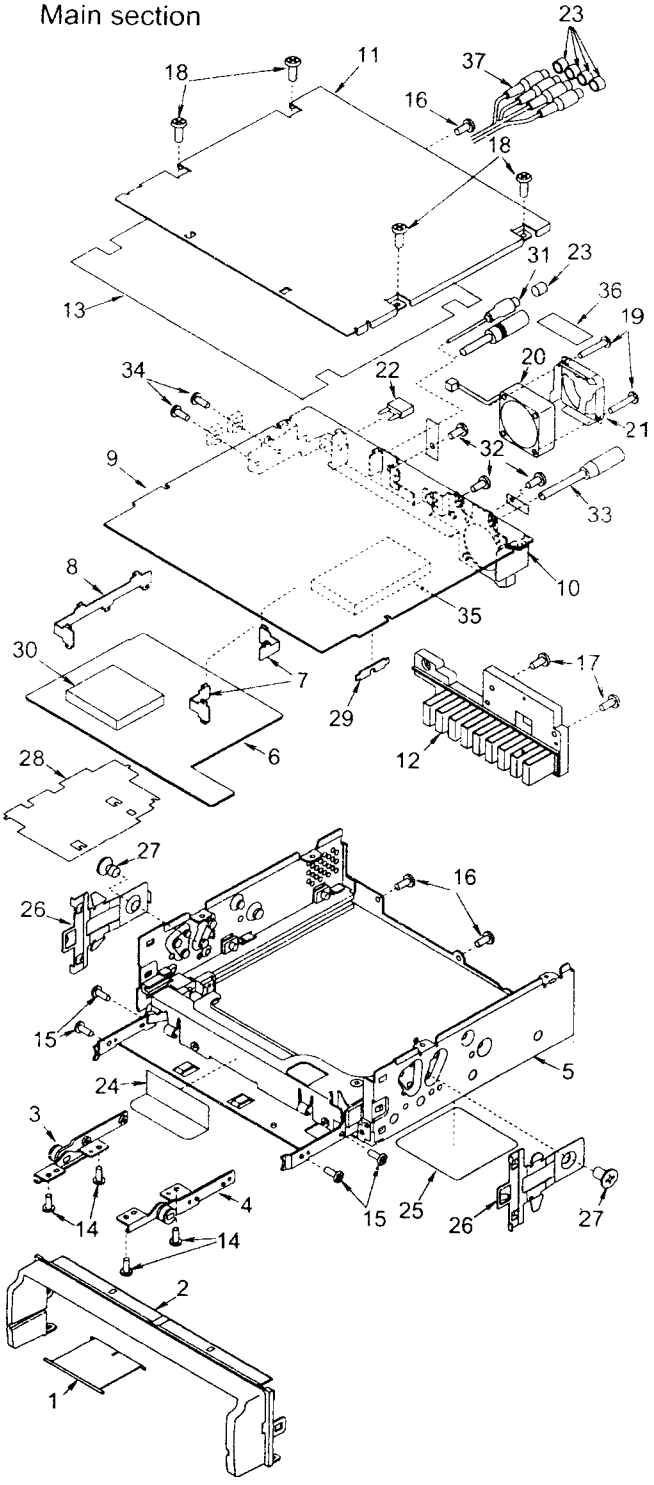
LCD module section

Note:

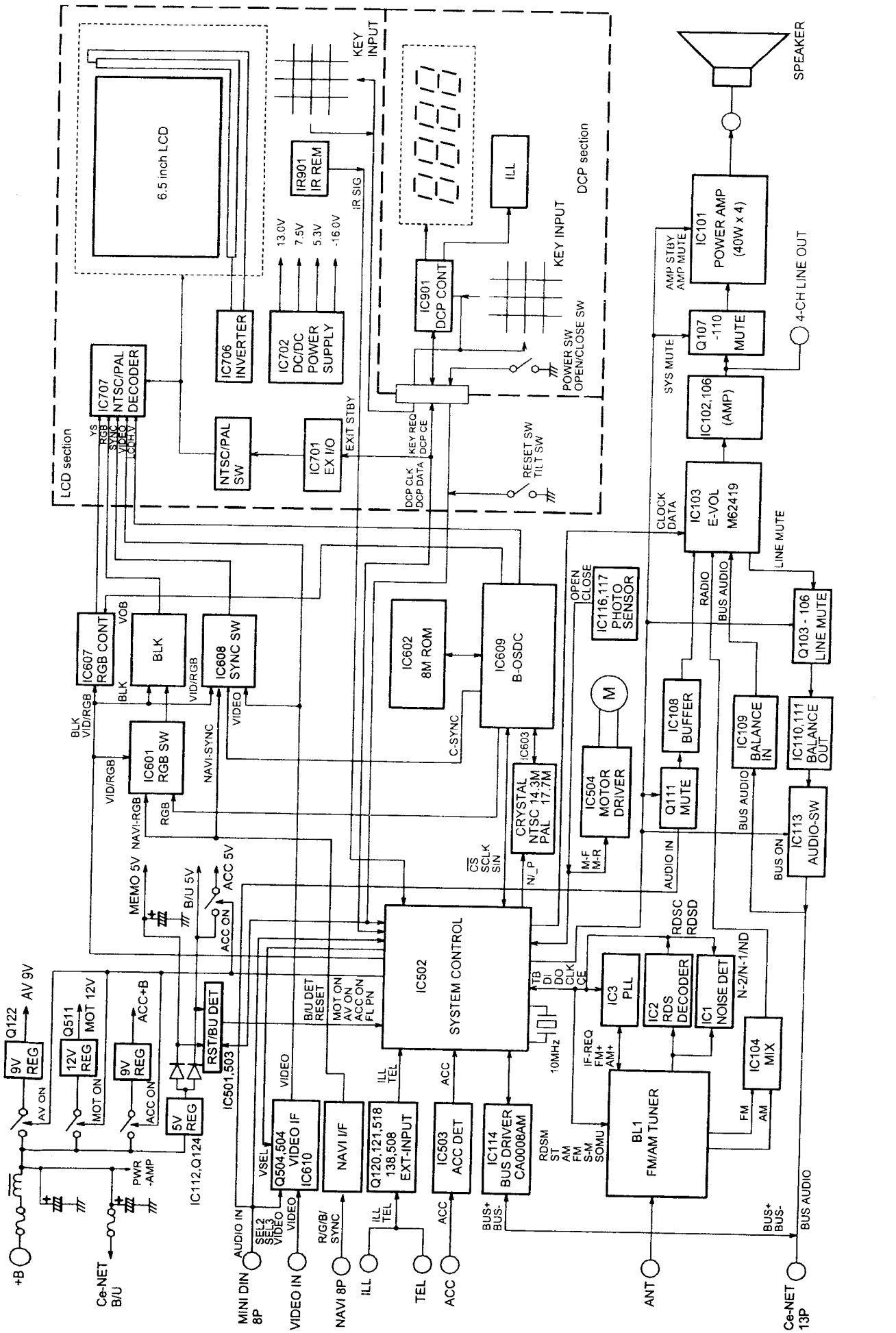
Please refer to page 8 when you release the LCD module from the main unit.



Main section



■ BLOCK DIAGRAM



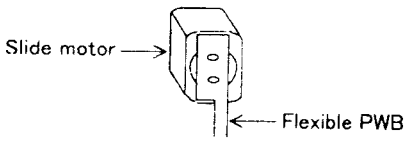
NO.	PART NO.	DESCRIPTION	Q'TY
22	060-8021-07	AUTO FUSE(15A)	1
23	345-3799-20	CAP	5
24	347-6136-00	FLEXIBLE PWB GUIDE	1
25	286-9601-11	SETPLATE	1
26	750-3137-00	SPRING	2
27	714-5008-41	MACHINE SCREW(M5×8)	2
28	347-6153-00	SHIELD SHEET	1
29	347-6113-00	SHIELD SHEET	1

NO.	PART NO.	DESCRIPTION	Q'TY
30	331-2790-00	SHIELD CASE	1
31	855-1428-00	RCA/8PDIN CORD	1
32	714-3005-80	MACHINE SCREW(M3×5)	3
33	092-0701-02	ANTENNA RECEPTACLE	1
34	714-2606-80	MACHINE SCREW(M2.6×6)	2
35	880-2084C	FM/AM TUNER PACK	1
36	353-0249-00	SHADE	1
37	855-5427-51	RCA CORD(AUDIO)	1

■How to release LCD module

Refer to the exploded view of the main section on page 6

1. Remove the machine screws(No.27x2) and the springs(No.26x2).
2. Remove the IT screws(No.18x4) and the tap screw(No.16x3) in order to release the lower case(No.11).
3. Remove the escutchen(No.2) and the main PWB assembly(No.9).
4. Pull out the LCD module,and release the flexible PWB of the LCD module from the motor of the slide mechanism assembly(No.5).(Fig.7)



—Fig.7—

5. Release the hooks of the Flexible PWB cover(No.1) from the LCD module and the slide mechanism assembly(No.5).
6. Remove the flexible PWB cover(No.1) and the IT screws(No.14x4).

DCP section

NO.	PART NO.	DESCRIPTION	Q'TY
1	335-6084-40	ILLUMI PLATE	1
2	370-5828-70	ECSUTCHEON	1
3	331-2770-00	SPACER	1
4	335-6082-00	LEVER(Release)	1
5	750-6696-20	SPRING	1
6	947-0495-51	BUTTON ASSY	1
7	371-3912-20	TRIM PLATE	1
8	335-6081-00	BACK PLATE	1
9	382-5455-50	BUTTON(RPT)	1
10	382-5470-50	BUTTON(SCN/RDM/Z-E/TA)	1
11	382-5468-30	BUTTON(BAND)	1
12	382-5467-30	BUTTON(FUNC)	1
13	382-5466-30	BUTTON(PLAY/PAUSE)	1
14	947-0498-00	KNOB ASSY	1
15	331-2771-00	LCD COVER	1
16	379-1162-41	INDICATOR(FOR DCP)	1

NO.	PART NO.	DESCRIPTION	Q'TY
17	345-8389-20	RUBBER CONNECTOR	1
18	347-5336-00	FILM	1
19	347-6617-00	CCS FILM	1
20	335-5138-00	ILLUMI PLATE	1
21	347-5335-00	REFLECTOR	1
22	001-7046-01	LED	2
23	039-1528-20	DCP PWB (WITHOUT COMPONENT)	1
24	347-6155-00	INSULATOR	1
25	347-6115-20	SHADE	1
26	716-0872-11	PAD SCREW	6
27	347-2061-00	LABEL	1
28	347-6463-00	SPACER	1
29	345-3957-20	RUBBER SPACER	2
30	DCP-366-700	DCP ASSY	1

LCD module section

NO.	PART NO.	DESCRIPTION	Q'TY
1	335-5147-00	EJECTOR	2
2	750-6697-20	SPRING	1
3	347-5187-21	GUIDE LABEL	1
4	335-6078-00	DCP COVER	1
5	948-0539-00	HOOK-P-ASSY	1
6	373-0909-50	DIAL COVER	1
7	382-5456-50	BUTTON(IN/OUT)	1
8	335-6077-00	IR FILTER	1
9	382-5457-50	BUTTON(MENU/VIEW)	1
10	380-5452-00	KNOB(JOG)	1
11	039-1545-20	LCD PWB (WITHOUT COMPONENT)	1
12	379-4025-00	INDICATOR(6.5inch)	1
13	331-2710-00	LCD BRACKET A	1
14	331-2711-00	LCD BRACKET B	1
15	377-2613-30	DIAL SUPPORT	1
16	335-5161-00	LOCK	2
17	335-6089-00	CONNECT COVER	1

NO.	PART NO.	DESCRIPTION	Q'TY
18	039-1521-00	FLEXIBLE PWB	1
19	378-0515-00	BADGE(Clarion)	1
20	816-2439-50	FLAT WIRE	1
21	347-6110-00	INSULATOR	1
22	331-2789-00	SHIELD CASE	1
23	702-2605-80	TAP SCREW(2.6×5)	4
24	716-0872-02	PAD SCREW	6
25	702-2606-87	TAP SCREW(2.6×6)	4
26	702-2006-89	TAP SCREW(2.6×6)	2
27	702-2010-87	TAP SCREW(M2×10)	5
28	345-8378-00	SPACER	1
29	335-6076-00	REFLECTOR	2
30	347-6114-00	SHADE	1
31	347-5422-00	SHIELD SHEET	1
32	347-6154-00	SHIELD SHEET	1
33	750-6701-00	SPRING	1
34	347-6371-00	SPACER	2

Main section

NO.	PART NO.	DESCRIPTION	Q'TY
1	335-6075-00	FLEXIBLE PWB COVER	1
2	370-5829-30	ESCUTCHEN	1
3	948-0523-00	TORQUE BUSH L	1
4	948-0523-10	TORQUE BUSH R	1
5	948-0530-20	SLIDE MECH ASSY(cf.p9)	1
6	039-1915-00	DIGITAL PWB (WITHOUT COMPONENT)	1
7	331-2712-00	PWB HOLDER A	2
8	331-2713-00	PWB HOLDER B	1
9	039-1914-00	MAIN PWB (WITHOUT COMPONENT)	1
10	331-2714-10	CONNECTOR PLATE	1

NO.	PART NO.	DESCRIPTION	Q'TY
11	311-1778-01	LOWER CASE	1
12	313-1761-00	HEAT SINK	1
13	347-6111-00	INSULATOR	1
14	780-2606-03	IT SCREW(M2.6×6)	4
15	780-2605-02	MACHINE SCREW(M2.6×5)	4
16	731-2605-80	TAP SCREW(M2.6×5)	3
17	714-2610-80	MACHINE SCREW(M2.6×10)	2
18	716-1494-00	IT SCREW	4
19	780-2615-00	MACHINE SCREW(M2.6×15)	2
20	020-3042-00	FAN	1
21	331-2727-00	FAN COVER	1

■ELECTRICAL PARTS LIST

Main PWB section(B1)

Note) Several different parts of the same reference number are alternative parts. One of those parts is used in the set.

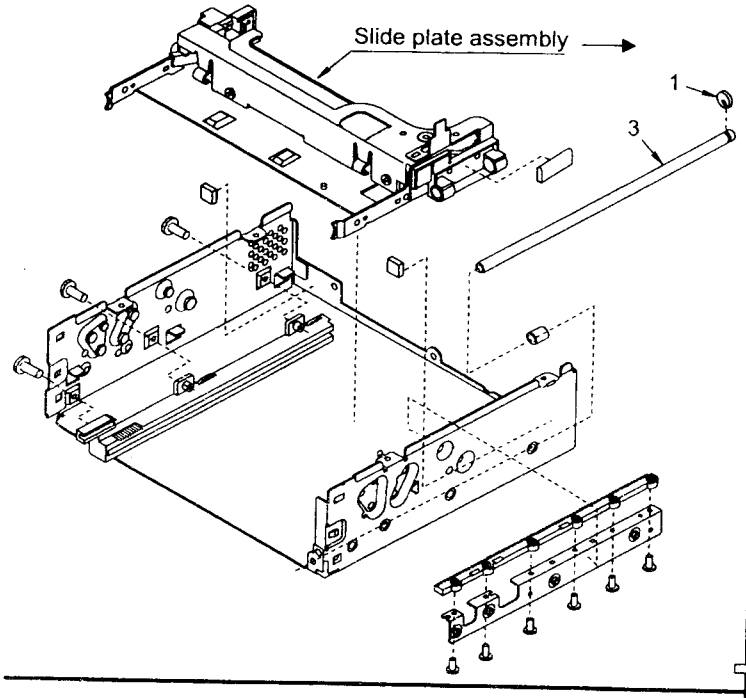
REF No.	PART No.	DESCRIPTION
BL1	880-2084C	FM/AM TUNER
C1	168-1032-55	0.01 μF
C2	042-0595-80	50V2.2 μF
C3	042-0595-80	50V2.2 μF
C4	166-1801-50	18pF CH
C5	168-2232-55	0.022 μF
C6	163-2263-35	16V22 μF
C7	168-3322-55	3300pF
C8	168-4732-78	0.047 μF
C9	168-2232-55	0.022 μF
C10	168-2232-55	0.022 μF
C11	168-3932-78	0.039 μF
C12	168-6822-55	6800pF
C13	168-2222-55	2200pF
C14	168-1022-55	1000pF
C15	168-2232-55	0.022 μF
C16	168-1022-55	1000pF
C17	168-2232-55	0.022 μF
C18	168-2232-55	0.022 μF
C19	168-2232-55	0.022 μF
C20	168-2212-55	220pF
C21	166-8201-50	82pF CH
C22	042-0595-80	50V2.2 μF
C23	166-4701-50	47pF CH
C24	168-3312-55	330pF
C25	166-1011-50	100pF CH
C26	166-1011-50	100pF CH
C27	166-1011-50	100pF CH
C29	042-0595-65	16V47 μF
C30	168-4732-78	0.047 μF
C32	042-0595-65	16V47 μF
C33	168-1045-56	0.1 μF
C34	042-0595-79	50V1 μF
C35	168-1045-56	0.1 μF
C36	168-2212-55	220pF
C37	168-8222-55	8200pF
C38	166-1011-50	100pF CH
C40	168-1222-55	1200pF
C41	166-1501-50	15pF CH
C42	166-1801-50	18pF CH
C43	042-0595-79	50V1 μF
C44	042-0595-79	50V1 μF
C46	168-1022-55	1000pF
C47	168-1022-55	1000pF
C48	168-1022-55	1000pF
C49	166-1011-50	100pF CH
C50	166-1011-50	100pF CH
C51	166-1011-50	100pF CH
C57	166-1011-50	100pF CH
C58	166-1011-50	100pF CH
C102	166-4701-50	47pF CH
C103	168-1045-56	0.1 μF
C104	042-0592-58	16V10 μF
C105	166-2201-50	22pF CH
C106	042-0592-58	16V10 μF
C107	042-0592-73	50V1 μF
C108	042-0592-74	50V 2.2 μF
C109	168-6822-55	6800pF
C110	166-2201-50	22pF CH
C111	166-2201-50	22pF CH
C112	168-6832-78	0.068 μF
C113	168-1022-55	1000pF
C114	168-2212-55	220pF
C115	168-1032-55	0.01 μF
C116	178-1055-79	1 μF
C118	042-0592-66	35V 4.7 μF
C119	042-0592-59	16V22 μF
C120	042-0592-58	16V10 μF
C121	042-0595-62	16V10 μF
C122	042-0592-70	50V0.22 μF
C123	042-0592-70	50V0.22 μF

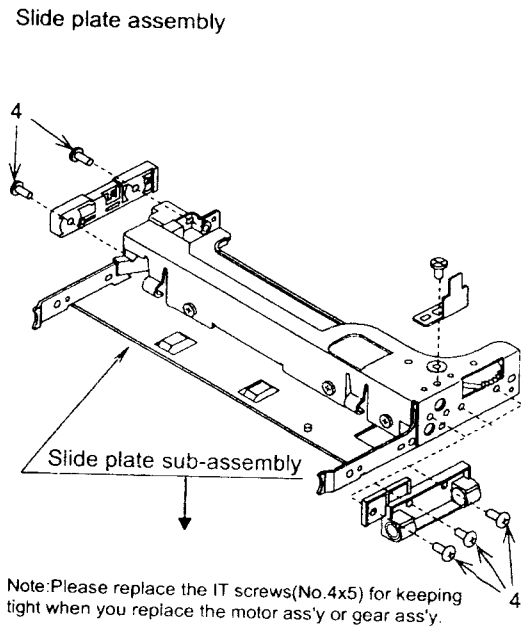
REF No.	PART No.	DESCRIPTION
C124	042-0592-70	50V0.22 μF
C125	042-0592-70	50V0.22 μF
C126	168-1045-56	0.1 μF
C127	168-3322-55	3300pF
C129	166-4701-50	47pF CH
C130	042-0592-58	16V10 μF
C132	042-0595-80	50V2.2 μF
C134	184-2283-32	16V2200 μF
C135	042-0595-79	50V1 μF
C137	168-1032-55	0.01 μF
C138	042-0595-62	16V10 μF
C139	042-0595-62	16V10 μF
C141	166-4701-50	47pF CH
C142	042-0592-58	16V10 μF
C143	042-0592-59	16V22 μF
C144	042-0592-66	35V 4.7 μF
C145	042-0595-66	25V4.7 μF
C146	042-0592-58	16V10 μF
C147	042-0592-74	50V 2.2 μF
C148	168-2212-55	220pF
C149	178-1055-79	1 μF
C150	166-2201-50	22pF CH
C152	168-6832-78	0.068 μF
C153	168-1022-55	1000pF
C154	042-0595-62	16V10 μF
C155	168-6822-55	6800pF
C156	042-0592-59	16V22 μF
C157	042-0592-58	16V10 μF
C158	168-1045-56	0.1 μF
C159	042-0592-73	50V1 μF
C160	166-4701-50	47pF CH
C161	042-0592-58	16V10 μF
C162	042-0592-58	16V10 μF
C165	168-1032-55	0.01 μF
C173	168-1032-55	0.01 μF
C174	178-1055-79	1 μF
C175	042-0595-84	10V100 μF
C176	042-0595-84	10V100 μF
C177	168-1032-55	0.01 μF
C178	042-0595-62	16V10 μF
C180	042-0595-62	16V10 μF
C181	184-2283-32	16V2200 μF
C182	166-2201-50	22pF CH
C183	172-1041-11	0.1 μF
C184	042-0595-62	16V10 μF
C186	042-0592-58	16V10 μF
C187	042-0592-58	16V10 μF
C188	042-0592-58	16V10 μF
C189	166-2201-50	22pF CH
C190	042-0595-62	16V10 μF
C191	042-0592-58	16V10 μF
C192	168-1032-55	0.01 μF
C193	042-0595-62	16V10 μF
C194	168-1032-55	0.01 μF
C195	042-0592-58	16V10 μF
C196	042-0592-58	16V10 μF
C197	042-0592-58	16V10 μF
C198	042-0592-58	16V10 μF
C199	042-0592-58	16V10 μF
C200	042-0595-62	16V10 μF
C201	166-2201-50	22pF CH
C202	042-0592-66	35V 4.7 μF
C203	166-2201-50	22pF CH
C204	042-0595-62	16V10 μF
C205	168-1032-55	0.01 μF
C207	166-2201-50	22pF CH
C209	166-2201-50	22pF CH
C210	042-0595-62	16V10 μF
C211	168-1032-55	0.01 μF
C212	042-0592-58	16V10 μF
C213	042-0592-66	35V 4.7 μF

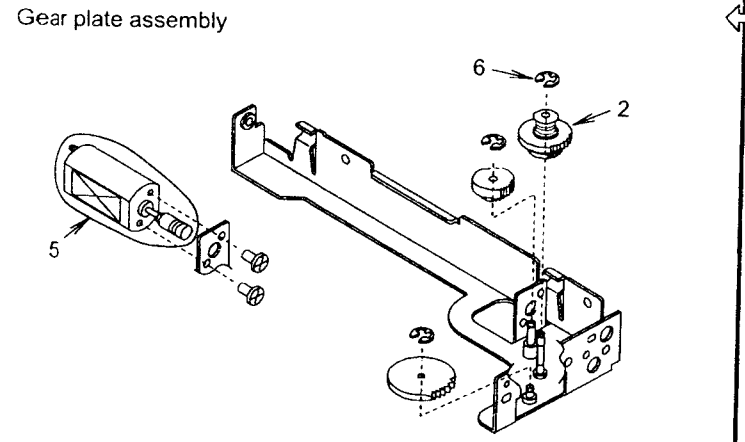
REF No.	PART No.	DESCRIPTION
C214	166-2201-50	22pF CH
C215	042-0592-66	35V 4.7 μF
C216	166-2201-50	22pF CH
C217	042-0592-66	35V 4.7 μF
C218	168-1032-55	0.01 μF
C219	163-1073-35	16V100 μF
C220	168-1032-55	0.01 μF
C221	163-1073-35	16V100 μF
C222	168-1032-55	0.01 μF
C223	163-1073-35	16V100 μF
C224	042-0635-50	10V47 μF
C225	168-2232-55	0.022 μF
C226	168-1045-56	0.1 μF
C227	168-1045-56	0.1 μF
C228	172-1041-11	0.1 μF
C231	042-0592-66	35V 4.7 μF
C232	042-0592-66	35V 4.7 μF
C233	042-0595-62	16V10 μF
C234	042-0595-62	16V10 μF
C235	168-1032-55	0.01 μF
C236	042-0595-62	16V10 μF
C242	042-0595-64	16V33 μF
C251	168-1022-55	1000pF
C252	168-1022-55	1000pF
C253	168-1022-55	1000pF
C254	168-1022-55	1000pF
D1	001-0541-90	MA157
D2	001-0529-31	MA8056-L
D101	001-0516-90	MA111
D102	001-0516-90	MA111
D103	001-2606-90	M1FS4
D104	001-2606-90	M1FS4
D105	001-2606-90	M1FS4
D106	001-2606-90	M1FS4
D111	001-0516-90	MA111
D112	001-0516-90	MA111
D113	001-0516-90	MA111
D114	001-0592-00	RM4Z
D115	001-0516-90	MA111
D116	001-0356-91	1SS184
D117	001-2403-90	M1F60
D118	001-0516-90	MA111
D119	001-0516-90	MA111
D120	001-0516-90	MA111
D121	001-0529-46	MA8091-L
D122	001-0516-90	MA111
D123	001-2403-90	M1F60
D124	001-0529-48	MA8091-H
D150	001-0529-25	MA8047-L
F101	060-8023-58	3A
	020-3042-00	FAN
IC1	051-0350-93	NJM4558M
IC2	051-1819-50	TDA7479D
IC3	051-6201-90	LC72146M
IC101	051-2023-01	TA8260AH
IC102	051-0350-93	NJM4558M
IC103	051-5008-90	M62419FP
IC104	051-0350-93	NJM4558M
IC105	051-0350-93	NJM4558M
IC106	051-0350-93	NJM4558M
IC107	051-1250-08	TC4S66F
IC108	051-0350-93	NJM4558M
IC109	051-0350-93	NJM4558M
IC110	051-0350-93	NJM4558M
IC111	051-0350-93	NJM4558M
IC112	051-3201-00	AN77L06
IC113	051-7232-08	74VHC4066M
IC114	051-6600-38	CA0008AM
IC116	051-5801-00	GP1S53V
IC117	051-5801-00	GP1S53V
J101	074-1238-00	16P

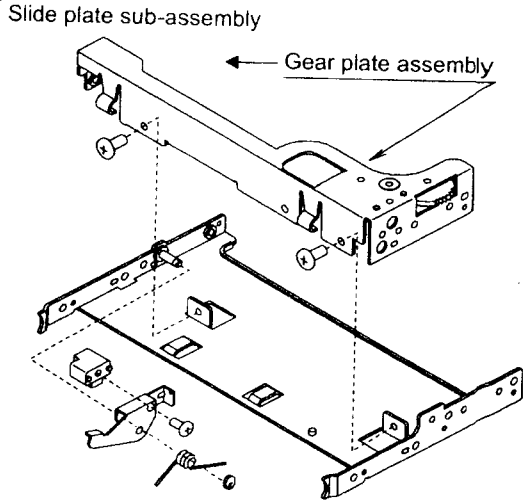
■ EXPLODED VIEW • PARTS LIST

Slide mechanism section : 948-0530-20




Slide plate assembly
4
Slide plate sub-assembly
Note:Please replace the IT screws(No.4x5) for keeping tight when you replace the motor ass'y or gear ass'y.
4





NO.	PART NO.	DESCRIPTION	Q'TY
1	744-0041-00	E-RING	1
2	634-0016-00	GEAR ASSY	1
3	612-0402-00	SHAFT	1

NO.	PART NO.	DESCRIPTION	Q'TY
4	780-2606-03	IT SCREW	5
5	634-0017-00	MOTOR ASSY	1
6	743-1500-01	E-RING	1

Caution for the replacement of the motor assembly

After you replaced the motor assembly with new one,please make sure that the current of the motor assembly is 50mA or less when you input 8V as the power voltage.

If the current is over 50mA,loosen the screws, and adjust the position of the motor assembly.

Then tighten the screws,and check the current again.

REF No.	PART No.	DESCRIPTION
R265	119-2721-15	1/16W 2.7kΩ
SUP1	060-0122-10	DSP-201M-S00B

REF No.	PART No.	DESCRIPTION
T101	009-0659-01	0.35mH
X1	061-3013-00	4.33MHz

REF No.	PART No.	DESCRIPTION
X2	061-1066-00	7.2MHz

Digital PWB section(B2)

REF No.	PART No.	DESCRIPTION
C501	168-1022-55	1000pF
C502	042-0595-62	16V10 μF
C503	166-1501-50	15pF CH
C504	166-1501-50	15pF CH
C505	168-1022-55	1000pF
C507	168-1032-55	0.01 μF
C508	042-0595-56	6.3V47 μF
C509	168-1022-55	1000pF
C510	043-0296-50	0.1 μF
C511	168-1032-55	0.01 μF
C512	168-4732-78	0.047 μF
C513	168-1022-55	1000pF
C514	178-2242-78	0.22 μF
C515	168-1045-56	0.1 μF
C516	168-1032-55	0.01 μF
C517	042-0595-65	16V47 μF
C518	042-0559-00	5.5V0.1 μF
C519	168-1032-55	0.01 μF
C520	168-1032-55	0.01 μF
C521	042-0595-65	16V47 μF
C522	168-1022-55	1000pF
C523	168-1022-55	1000pF
C524	168-1022-55	1000pF
C525	168-1022-55	1000pF
C526	166-1011-50	100pF CH
C527	166-1011-50	100pF CH
C601	042-0595-53	4V220 μF
C602	178-1055-79	1 μF
C603	042-0595-53	4V220 μF
C604	178-1055-79	1 μF
C605	042-0595-53	4V220 μF
C606	178-1055-79	1 μF
C607	042-0595-53	4V220 μF
C608	178-1055-79	1 μF
C609	178-1055-79	1 μF
C610	042-0472-90	10V47 μF
C611	168-1045-56	0.1 μF
C612	168-1045-56	0.1 μF
C613	166-1007-50	10pF CH
C614	042-0472-90	10V47 μF
C615	168-1032-55	0.01 μF
C616	166-1007-50	10pF CH
C617	168-1045-56	0.1 μF
C618	168-1045-56	0.1 μF
C619	168-1045-56	0.1 μF
C620	168-1045-56	0.1 μF
C621	178-1055-79	1 μF
C622	168-1045-56	0.1 μF
C623	166-4701-50	47pF CH
C624	166-4701-50	47pF CH
C625	042-0595-66	25V4.7 μF
C626	168-1045-56	0.1 μF
C627	178-1055-79	1 μF
C628	168-1032-55	0.01 μF
C629	168-1022-55	1000pF
C630	168-1022-55	1000pF
C631	178-1055-79	1 μF
C632	178-1055-79	1 μF
C633	168-1022-55	1000pF
C634	168-1022-55	1000pF
C635	168-1022-55	1000pF
C636	168-1022-55	1000pF
C637	168-3312-55	330pF
CCT502	050-0122-58	1/16W470Ω×4 J
CCT601	050-0122-64	1/16W330Ω×4 J
CCT602	050-0122-64	1/16W330Ω×4 J
CCT603	050-0122-51	1/16W47kΩ×4 J
CCT604	050-0122-51	1/16W47kΩ×4 J

REF No.	PART No.	DESCRIPTION
CCT605	050-0122-64	1/16W330Ω×4 J
CCT606	050-0122-64	1/16W330Ω×4 J
CCT607	050-0122-50	1/16W10kΩ×4 J
CCT608	050-0122-64	1/16W330Ω×4 J
CCT609	050-0122-64	1/16W330Ω×4 J
CCT610	050-0122-64	1/16W330Ω×4 J
D501	001-0516-90	MA111
D504	001-0516-90	MA111
D505	001-0516-90	MA111
D506	001-0537-90	SFPM-62
D508	001-0537-90	SFPM-62
D509	001-0516-90	MA111
D511	001-0584-23	MA8075
D512	001-0584-32	MA8180
D513	001-0529-57	MA8120-H
D601	001-0367-91	1SS226
D602	001-0367-91	1SS226
D603	001-0367-91	1SS226
D604	001-0367-91	1SS226
D605	001-0367-91	1SS226
D606	001-0367-91	1SS226
D607	001-0516-90	MA111
IC501	051-1822-08	S-80732AN-DW-X
IC502	052-6043-02	M30624MG-D58GP
IC503	051-0869-58	NJM2103M
IC504	051-1014-08	TA7291F
IC505	051-1527-08	TC4W53F
IC601	051-1478-08	TC74HC4053AF
IC602	052-6044-02	MSM38002E-T1TS-AKF9
IC603	051-7100-08	TC4W66F-TE12L
IC607	051-1549-08	TC7W32F
IC608	051-5306-90	MM1117XF
IC609	051-6412-00	MB90092PF-G-BND
IC610	051-5306-90	MM1117XF
IC611	051-7229-08	TC7W74FU
IC612	051-1855-08	TC7W14F
IC613	051-0616-38	MC14538BF
J501	074-1205-88	38P
L501	010-2199-62	1 μH
L601	010-2279-50	4.7 μH
L602	010-2279-50	4.7 μH
L603	010-2329-50	5.6 μH
P1	076-0621-14	PLUG(14P)
P101	076-0621-19	PLUG(19P)
P103	076-0621-17	PLUG(17P)
P601	076-0313-07	PLUG(7P)
Q501	192-2712-00	2SC2712
Q502	192-2712-00	2SC2712
Q503	125-2004-92	RN1402
Q504	125-0021-97	DTA113ZU
Q505	125-0021-97	DTA113ZU
Q506	125-2004-93	RN1403
Q507	192-2712-00	2SC2712
Q508	190-1162-00	2SA1162
Q511	192-2873-00	2SC2873
Q514	125-0021-91	DTA114EU
Q515	192-2712-00	2SC2712
Q517	125-0002-92	RN2402
Q518	125-2004-91	RN1401
Q601	125-2004-93	RN1403
R501	119-1031-15	1/16W 10kΩ
R502	119-1231-15	1/16W 12kΩ
R503	119-4721-15	1/16W 4.7kΩ
R504	119-4721-15	1/16W 4.7kΩ
R505	119-4741-15	1/16W 470kΩ
R506	119-4741-15	1/16W 470kΩ
R507	119-1021-15	1/16W 1kΩ

REF No.	PART No.	DESCRIPTION
R508	119-1021-15	1/16W 1kΩ
R509	119-1011-15	1/16W 100Ω
R510	119-5621-15	1/16W 5.6kΩ
R511	119-1021-15	1/16W 1kΩ
R512	119-4721-15	1/16W 4.7kΩ
R513	119-4731-15	1/16W 47kΩ
R514	119-1021-15	1/16W 1kΩ
R515	119-1021-15	1/16W 1kΩ
R516	119-1031-15	1/16W 10kΩ
R517	119-4721-15	1/16W 4.7kΩ
R518	119-4721-15	1/16W 4.7kΩ
R519	119-1021-15	1/16W 1kΩ
R520	119-4731-15	1/16W 47kΩ
R521	119-1011-15	1/16W 100Ω
R522	119-4731-15	1/16W 47kΩ
R523	119-4731-15	1/16W 47kΩ
R524	119-1541-15	1/16W 150kΩ
R526	119-1241-15	1/16W 120kΩ
R527	119-1831-15	1/16W 18kΩ
R528	119-8221-15	1/16W 8.2kΩ
R529	119-4321-15	1/16W 4.3kΩ
R530	119-1031-15	1/16W 10kΩ
R531	119-4711-15	1/16W 470Ω
R532	119-4711-15	1/16W 470Ω
R533	119-4721-15	1/16W 4.7kΩ
R535	119-2231-15	1/16W 22kΩ
R536	119-1021-15	1/16W 1kΩ
R537	119-2231-15	1/16W 22kΩ
R540	119-4731-15	1/16W 47kΩ
R541	119-3311-15	1/16W 330Ω
R544	119-1031-15	1/16W 10kΩ
R545	119-4721-15	1/16W 4.7kΩ
R546	119-4711-15	1/16W 470Ω
R547	119-2231-15	1/16W 22kΩ
R548	119-2231-15	1/16W 22kΩ
R549	119-1041-15	1/16W 100kΩ
R551	119-4731-15	1/16W 47kΩ
R553	119-4731-15	1/16W 47kΩ
R568	119-1011-15	1/16W 100Ω
R601	111-7501-91	1/4WS 75Ω
R602	111-7501-91	1/4WS 75Ω
R603	111-7501-91	1/4WS 75Ω
R604	111-7501-91	1/4WS 75Ω
R605	119-1531-15	1/16W 15kΩ
R606	119-1531-15	1/16W 15kΩ
R607	119-1531-15	1/16W 15kΩ
R608	119-5631-15	1/16W 56kΩ
R609	119-5631-15	1/16W 56kΩ
R610	119-5631-15	1/16W 56kΩ
R611	119-1011-15	1/16W 100Ω
R612	119-1011-15	1/16W 100Ω
R613	119-1011-15	1/16W 100Ω
R614	119-4711-15	1/16W 470Ω
R615	119-1511-15	1/16W 150Ω
R616	119-3921-15	1/16W 3.9kΩ
R617	119-2211-15	1/16W 220Ω
R618	119-0000-05	1/16W 0Ω JW
R619	119-1031-15	1/16W 10kΩ
R620	119-5611-15	1/16W 560Ω
R621	119-4731-15	1/16W 47kΩ
R622	119-4731-15	1/16W 47kΩ
R623	119-4731-15	1/16W 47kΩ
R624	111-7501-91	1/4WS 75Ω
R625	119-3311-15	1/16W 330Ω
R626	119-1041-15	1/16W 100kΩ
R627	119-4731-15	1/16W 47kΩ
R628	119-1011-15	1/16W 100Ω
R629	119-2211-15	1/16W 220Ω

REF No.	PART No.	DESCRIPTION
J102	074-1194-00	13P CE-NET
J103	074-1030-00	MINI-DIN-8P
L1	010-2003-04	COIL
L2	010-2199-54	0.22 μH J
L3	010-2174-78	220 μH
L4	010-2174-86	1mH
L5	010-2199-66	2.2 μH J
L6	010-2199-66	2.2 μH J
P1	074-0977-14	14P
P101	074-0977-19	SOCKET-19P
P102	076-0349-02	2P
P103	074-0977-17	SOCKET-17P
Q1	125-2004-92	RN1402
Q2	125-2004-96	RN1406
Q3	125-0002-93	RN2403
Q4	193-1306-00	2SD1306
Q5	190-1162-00	2SA1162
Q6	190-1298-00	2SA1298
Q8	108-0669-00	2SK669
Q101	190-1162-00	2SA1162
Q102	190-1162-00	2SA1162
Q103	193-1306-00	2SD1306
Q104	193-1306-00	2SD1306
Q105	193-1306-00	2SD1306
Q106	193-1306-00	2SD1306
Q107	193-1306-00	2SD1306
Q108	193-1306-00	2SD1306
Q109	193-1306-00	2SD1306
Q110	193-1306-00	2SD1306
Q111	125-2004-93	RN1403
Q113	191-1237-00	2SB1237
Q114	125-0002-93	RN2403
Q115	190-1162-00	2SA1162
Q116	190-1162-00	2SA1162
Q117	125-2004-93	RN1403
Q118	125-2004-93	RN1403
Q119	125-2004-93	RN1403
Q120	192-2712-00	2SC2712
Q121	190-1313-00	2SA1313O,Y
Q122	103-1683-00	2SD1683
Q123	100-1428-00	2SA1428
Q124	101-1143-00	2SB1143
Q125	100-1428-00	2SA1428
Q126	100-1428-00	2SA1428
Q127	190-1213-00	2SA1213
Q128	125-2004-93	RN1403
Q129	125-0002-93	RN2403
Q130	125-2004-97	RN1407
Q131	125-2004-93	RN1403
Q132	125-2004-93	RN1403
Q133	125-2004-93	RN1403
Q134	125-2004-91	RN1401
Q135	192-2873-00	2SC2873
Q136	190-1162-00	2SA1162
Q137	125-2004-93	RN1403
R1	119-1821-15	1/16W 1.8kΩ
R2	119-3921-15	1/16W 3.9kΩ
R3	119-2211-15	1/16W 220Ω
R4	119-1031-15	1/16W 10kΩ
R5	119-1021-15	1/16W 1kΩ
R6	119-2231-15	1/16W 22kΩ
R7	119-1041-15	1/16W 100kΩ
R8	032-0104-73	1/4W 330Ω
R9	119-4721-15	1/16W 4.7kΩ
R10	119-3321-15	1/16W 3.3kΩ
R11	119-2031-15	1/16W 20kΩ
R12	119-4741-15	1/16W 470kΩ
R13	119-1231-15	1/16W 12kΩ
R14	119-1011-15	1/16W 100Ω
R15	119-1031-15	1/16W 10kΩ
R16	119-1031-15	1/16W 10kΩ
R17	119-1031-15	1/16W 10kΩ
R18	119-2221-15	1/16W 2.2kΩ
R19	119-1031-15	1/16W 10kΩ

REF No.	PART No.	DESCRIPTION
R20	119-2221-15	1/16W 2.2kΩ
R21	119-1031-15	1/16W 10kΩ
R22	119-1031-15	1/16W 10kΩ
R23	119-2721-15	1/16W 2.7kΩ
R24	119-2721-15	1/16W 2.7kΩ
R25	119-1231-15	1/16W 12kΩ
R26	119-1031-15	1/16W 10kΩ
R27	119-2711-15	1/16W 270Ω
R28	119-8211-15	1/16W 820Ω
R29	119-1021-15	1/16W 1kΩ
R30	119-2221-15	1/16W 2.2kΩ
R31	119-1021-15	1/16W 1kΩ
R32	119-1021-15	1/16W 1kΩ
R33	119-1021-15	1/16W 1kΩ
R101	119-1021-15	1/16W 1kΩ
R102	119-2231-15	1/16W 22kΩ
R103	119-1031-15	1/16W 10kΩ
R104	119-3321-15	1/16W 3.3kΩ
R105	119-3331-15	1/16W 33kΩ
R107	119-3331-15	1/16W 33kΩ
R108	119-2231-15	1/16W 22kΩ
R109	119-2221-15	1/16W 2.2kΩ
R110	119-2721-15	1/16W 2.7kΩ
R111	119-4731-15	1/16W 47kΩ
R112	119-4721-15	1/16W 4.7kΩ
R113	119-6831-15	1/16W 68kΩ
R115	119-3331-15	1/16W 33kΩ
R116	119-1021-15	1/16W 1kΩ
R117	119-1031-15	1/16W 10kΩ
R118	119-2731-15	1/16W 27kΩ
R119	119-1831-15	1/16W 18kΩ
R120	119-2231-15	1/16W 22kΩ
R121	119-3331-15	1/16W 33kΩ
R122	119-3321-15	1/16W 3.3kΩ
R123	119-1031-15	1/16W 10kΩ
R124	119-1031-15	1/16W 10kΩ
R125	119-2731-15	1/16W 27kΩ
R126	119-1021-15	1/16W 1kΩ
R127	119-2731-15	1/16W 27kΩ
R128	119-3331-15	1/16W 33kΩ
R130	119-2231-15	1/16W 22kΩ
R131	119-3331-15	1/16W 33kΩ
R132	119-1031-15	1/16W 10kΩ
R133	119-3331-15	1/16W 33kΩ
R134	119-3331-15	1/16W 33kΩ
R135	119-3331-15	1/16W 33kΩ
R137	119-2231-15	1/16W 22kΩ
R138	119-3311-15	1/16W 330Ω
R139	119-3331-15	1/16W 33kΩ
R140	119-1031-15	1/16W 10kΩ
R141	119-2231-15	1/16W 22kΩ
R142	119-3311-15	1/16W 330Ω
R143	119-2731-15	1/16W 27kΩ
R144	119-1831-15	1/16W 18kΩ
R145	119-3311-15	1/16W 330Ω
R146	119-3331-15	1/16W 33kΩ
R147	119-4721-15	1/16W 4.7kΩ
R148	119-2231-15	1/16W 22kΩ
R149	119-3311-15	1/16W 330Ω
R150	119-1031-15	1/16W 10kΩ
R151	119-2231-15	1/16W 22kΩ
R154	119-6831-15	1/16W 68kΩ
R155	119-1031-15	1/16W 10kΩ
R156	119-2221-15	1/16W 2.2kΩ
R157	119-2721-15	1/16W 2.7kΩ
R158	119-4731-15	1/16W 47kΩ
R159	119-2231-15	1/16W 22kΩ
R160	119-2231-15	1/16W 22kΩ
R161	119-2231-15	1/16W 22kΩ
R162	119-2231-15	1/16W 22kΩ
R163	119-1021-15	1/16W 1kΩ
R164	119-1021-15	1/16W 1kΩ
R165	119-1021-15	1/16W 1kΩ
R166	119-1021-15	1/16W 1kΩ

REF No.	PART No.	DESCRIPTION
R167	119-2231-15	1/16W 22kΩ
R168	119-3331-15	1/16W 33kΩ
R170	119-3311-15	1/16W 330Ω
R178	119-1041-15	1/16W 100kΩ
R179	119-1041-15	1/16W 100kΩ
R180	119-1031-15	1/16W 10kΩ
R183	114-1591-11	1W 1.5Ω
R186	119-1021-15	1/16W 1kΩ
R187	119-1031-15	1/16W 10kΩ
R188	119-1031-15	1/16W 10kΩ
R189	119-2231-15	1/16W 22kΩ
R191	119-1031-15	1/16W 10kΩ
R192	032-0104-61	1/4W 2.2kΩ
R193	119-4721-15	1/16W 4.7kΩ
R194	032-0104-67	1/4W 1.2kΩ
R196	119-4721-15	1/16W 4.7kΩ
R197	119-3321-15	1/16W 3.3kΩ
R198	119-1031-15	1/16W 10kΩ
R199	119-2231-15	1/16W 22kΩ
R200	119-4731-15	1/16W 47kΩ
R201	119-4731-15	1/16W 47kΩ
R202	119-2231-15	1/16W 22kΩ
R203	119-2231-15	1/16W 22kΩ
R204	119-4731-15	1/16W 47kΩ
R205	119-4731-15	1/16W 47kΩ
R206	119-2231-15	1/16W 22kΩ
R207	119-2231-15	1/16W 22kΩ
R208	119-1031-15	1/16W 10kΩ
R209	119-4731-15	1/16W 47kΩ
R210	119-1031-15	1/16W 10kΩ
R211	119-1531-15	1/16W 15kΩ
R212	119-4731-15	1/16W 47kΩ
R213	119-1041-15	1/16W 100kΩ
R214	119-2231-15	1/16W 22kΩ
R215	119-2231-15	1/16W 22kΩ
R216	119-2231-15	1/16W 22kΩ
R217	119-1011-15	1/16W 100Ω
R218	119-1011-15	1/16W 100Ω
R219	119-1011-15	1/16W 100Ω
R220	119-1011-15	1/16W 100Ω
R221	119-1031-15	1/16W 10kΩ
R223	119-1041-15	1/16W 100kΩ
R224	119-1041-15	1/16W 100kΩ
R225	119-1041-15	1/16W 100kΩ
R226	119-1041-15	1/16W 100kΩ
R227	119-2231-15	1/16W 22kΩ
R228	119-1531-15	1/16W 15kΩ
R229	119-2231-15	1/16W 22kΩ
R230	119-1031-15	1/16W 10kΩ
R231	119-5611-15	1/16W 560Ω
R232	119-1031-15	1/16W 10kΩ
R233	119-2231-15	1/16W 22kΩ
R234	119-2201-15	1/16W 22Ω
R235	119-1031-15	1/16W 10kΩ
R236	119-1031-15	1/16W 10kΩ
R237	119-1031-15	1/16W 10kΩ
R238	119-1031-15	1/16W 10kΩ
R239	111-6811-81	1/2WS 680Ω
R240	119-4721-15	1/16W 4.7kΩ
R241	111-6811-81	1/2WS 680Ω
R242	119-4711-15	1/16W 470Ω
R243	119-1041-15	1/16W 100kΩ
R244	032-0104-53	1/4W 1kΩ
R245	032-0104-64	1/4W 68Ω
R246	119-1021-15	1/16W 1kΩ
R247	119-4731-15	1/16W 47kΩ
R248	119-4731-15	1/16W 47kΩ
R254	119-3321-15	1/16W 3.3kΩ
R255	119-2231-15	1/16W 22kΩ
R256	119-2231-15	1/16W 22kΩ
R261	032-0104-50	1/4W 560Ω
R262	032-0104-50	1/4W 560Ω
R263	119-5611-15	1/16W 560Ω
R264	119-1031-15	1/16W 10kΩ

REF No.	PART No.	DESCRIPTION
R743	119-1831-15	1/16W 18kΩ
R744	119-6821-15	1/16W 6.8kΩ
R745	119-3341-15	1/16W 330kΩ
R746	119-5621-15	1/16W 5.6kΩ
R747	119-5621-15	1/16W 5.6kΩ
R748	119-4721-15	1/16W 4.7kΩ
R749	119-3021-15	1/16W 3kΩ
R750	119-2021-15	1/16W 2kΩ
R751	119-1521-15	1/16W 1.5kΩ
R752	119-2221-15	1/16W 2.2kΩ
R753	119-1041-15	1/16W 100kΩ
R755	119-4791-15	1/16W 4.7Ω J
R756	119-2431-15	1/16W 24kΩ
R757	119-4711-15	1/16W 470Ω
R758	119-4711-15	1/16W 470Ω
R759	119-4711-15	1/16W 470Ω
R760	119-4711-15	1/16W 470Ω
R761	119-3341-15	1/16W 330kΩ
R762	119-2231-15	1/16W 22kΩ
R763	119-2231-15	1/16W 22kΩ
R764	119-2231-15	1/16W 22kΩ
R765	119-2731-15	1/16W 27kΩ
R766	032-0098-93	1/10W 18kΩ±2%
R767	119-5631-15	1/16W 56kΩ
R768	119-3931-15	1/16W 39kΩ
R769	119-5611-15	1/16W 560Ω
R770	119-1021-15	1/16W 1kΩ
R771	117-3351-15	1/10W 3.3MΩ
R772	119-1011-15	1/16W 100Ω
R773	119-1011-15	1/16W 100Ω
R774	119-1011-15	1/16W 100Ω
R775	032-0104-53	1/4W 1kΩ
R776	119-3931-15	1/16W 39kΩ

REF No.	PART No.	DESCRIPTION
R777	119-2231-15	1/16W 22kΩ
R778	032-0104-53	1/4W 1kΩ
R779	119-3931-15	1/16W 39kΩ
R780	119-2231-15	1/16W 22kΩ
R781	119-6821-15	1/16W 6.8kΩ
R782	119-4731-15	1/16W 47kΩ
R783	119-2231-15	1/16W 22kΩ
R784	119-1051-15	1/16W 1MΩ
R785	032-0092-99	1/10W 47kΩ±1%
R786	119-0000-05	1/16W 0Ω JW
R787	117-2731-15	1/10W 27kΩ
R788	119-5621-15	1/16W 5.6kΩ
R789	119-1521-15	1/16W 1.5kΩ
R790	032-0092-99	1/10W 47kΩ±1%
R791	119-1821-15	1/16W 1.8kΩ
R792	032-0092-91	1/10W 33kΩ±1%
R793	119-1011-15	1/16W 100Ω
R794	119-1021-15	1/16W 1kΩ
R795	119-2221-15	1/16W 2.2kΩ
R796	119-3311-15	1/16W 330Ω
R797	119-1011-15	1/16W 100Ω
R798	119-6811-15	1/16W 680Ω
R799	119-1011-15	1/16W 100Ω
R800	119-5621-15	1/16W 5.6kΩ
R801	119-8221-15	1/16W 8.2kΩ
R802	119-1521-15	1/16W 1.5kΩ
R803	119-4741-15	1/16W 470kΩ
R804	119-4741-15	1/16W 470kΩ
R805	119-4741-15	1/16W 470kΩ
R806	119-4741-15	1/16W 470kΩ
R807	119-4741-15	1/16W 470kΩ
R808	119-6831-15	1/16W 68kΩ
R809	119-2221-15	1/16W 2.2kΩ

REF No.	PART No.	DESCRIPTION
R810	119-1031-15	1/16W 10kΩ
R811	117-2211-15	1/10W 220Ω
R812	119-1021-15	1/16W 1kΩ
R813	032-0092-43	1/10W 3.0kΩ±1%
R814	032-0092-43	1/10W 3.0kΩ±1%
R815	119-0000-05	1/16W 0Ω JW
R816	119-1011-15	1/16W 100Ω
R817	119-1011-15	1/16W 100Ω
R818	119-1011-15	1/16W 100Ω
R901	119-2711-15	1/16W 270Ω
R902	119-2711-15	1/16W 270Ω
R903	119-2711-15	1/16W 270Ω
R904	119-2711-15	1/16W 270Ω
S701	013-6100-00	SKHLLB
S702	013-7205-50	SPVE1-3
S902	013-6511-50	LS9J2M-1SR
S903	013-6511-50	LS9J2M-1SR
S904	013-6511-50	LS9J2M-1SR
S905	013-6511-50	LS9J2M-1SR
S906	013-9907-00	RKJXM1012
T701	007-1151-90	OUTPUT TRANS
T702	007-1152-00	BLC216HP
TH601	002-0216-95	DTN-T203K103KS
VR701	012-6009-52	1kΩ
VR702	012-5123-56	10kΩ
VR703	012-6009-58	33kΩ
VR704	012-6009-58	33kΩ
VR705	012-6009-58	33kΩ
VR706	012-6009-58	33kΩ
VR707	012-6009-58	33kΩ
VR708	012-6009-52	1kΩ
X701	061-1078-00	3.5795MHz
X702	061-3036-00	4.433619MHz

DCP PWB section(B4)

REF No.	PART No.	DESCRIPTION
C901	178-1055-79	1 μF
C902	178-1055-79	1 μF
D901	001-7011-96	CL-150SR-CD
D902	001-7011-96	CL-150SR-CD
D903	001-7011-96	CL-150SR-CD
D904	001-0525-90	IMN10
D905	001-0525-90	IMN10
D906	001-7011-96	CL-150SR-CD
D907	001-7046-01	NSPW310BS-A,RS
D908	001-7046-01	NSPW310BS-A,RS
D909	001-2601-90	MA728-TX
D910	001-2601-90	MA728-TX
D911	001-2601-90	MA728-TX
IC901	051-6001-01	μPD16431AGC-7ET
J901	076-0531-00	15P
L901	010-2323-71	33 μH
LCD2	379-1162-41	INDICATOR
Q901	125-0002-92	RN2402
Q902	125-2017-97	RN1427
Q903	125-0002-92	RN2402

REF No.	PART No.	DESCRIPTION
Q904	125-2017-97	RN1427
R902	032-0104-54	1/4W 680Ω
R903	032-0104-54	1/4W 680Ω
R906	032-0104-54	1/4W 680Ω
R907	032-0104-54	1/4W 680Ω
R909	032-0104-54	1/4W 680Ω
R911	032-0104-54	1/4W 680Ω
R914	119-1021-15	1/16W 1kΩ
R915	119-1021-15	1/16W 1kΩ
R916	119-4711-15	1/16W 470Ω
R917	119-1021-15	1/16W 1kΩ
R918	119-1041-15	1/16W 100kΩ
R919	119-1021-15	1/16W 1kΩ
R920	119-1021-15	1/16W 1kΩ
R921	119-1021-15	1/16W 1kΩ
R922	119-1021-15	1/16W 1kΩ
R923	119-1031-15	1/16W 10kΩ
R924	119-1041-15	1/16W 100kΩ
R925	117-7501-15	1/10W 75Ω
R926	117-7501-15	1/10W 75Ω

REF No.	PART No.	DESCRIPTION
R927	032-0104-54	1/4W 680Ω
S901	013-6511-50	LS9J2M-1SR
S902	013-6511-50	LS9J2M-1SR
S903	013-6511-50	LS9J2M-1SR
S904	013-6511-50	LS9J2M-1SR
S905	013-6511-50	LS9J2M-1SR
S906	013-6511-50	LS9J2M-1SR
S907	013-6511-50	LS9J2M-1SR
S908	013-6511-50	LS9J2M-1SR
S909	013-9901-00	SKQUAA 1-4
S910	013-6511-50	LS9J2M-1SR
S911	013-6511-50	LS9J2M-1SR
S912	013-6511-50	LS9J2M-1SR
S913	013-6511-50	LS9J2M-1SR
S914	013-6511-50	LS9J2M-1SR
S915	013-6511-50	LS9J2M-1SR
S916	013-6511-50	LS9J2M-1SR
S917	013-6511-50	LS9J2M-1SR
S918	013-6511-50	LS9J2M-1SR

REF No.	PART No.	DESCRIPTION
R630	119-1021-15	1/16W 1kΩ
R631	119-2221-15	1/16W 2.2kΩ
R632	111-7501-91	1/4WS 75Ω
R633	119-2021-15	1/16W 2kΩ
R634	119-2021-15	1/16W 2kΩ

REF No.	PART No.	DESCRIPTION
R635	119-2021-15	1/16W 2kΩ
R637	119-4741-15	1/16W 470kΩ
R638	119-4741-15	1/16W 470kΩ
R639	119-4741-15	1/16W 470kΩ
R640	119-6821-15	1/16W 6.8kΩ

REF No.	PART No.	DESCRIPTION
TC601	004-1583-52	20pF RED
X501	060-1505-50	10MHz
X502	061-1056-00	32.768kHz
X601	061-1086-50	14.31818MHz
X602	061-3042-00	17.734475MHz

LCD PWB section(B3)

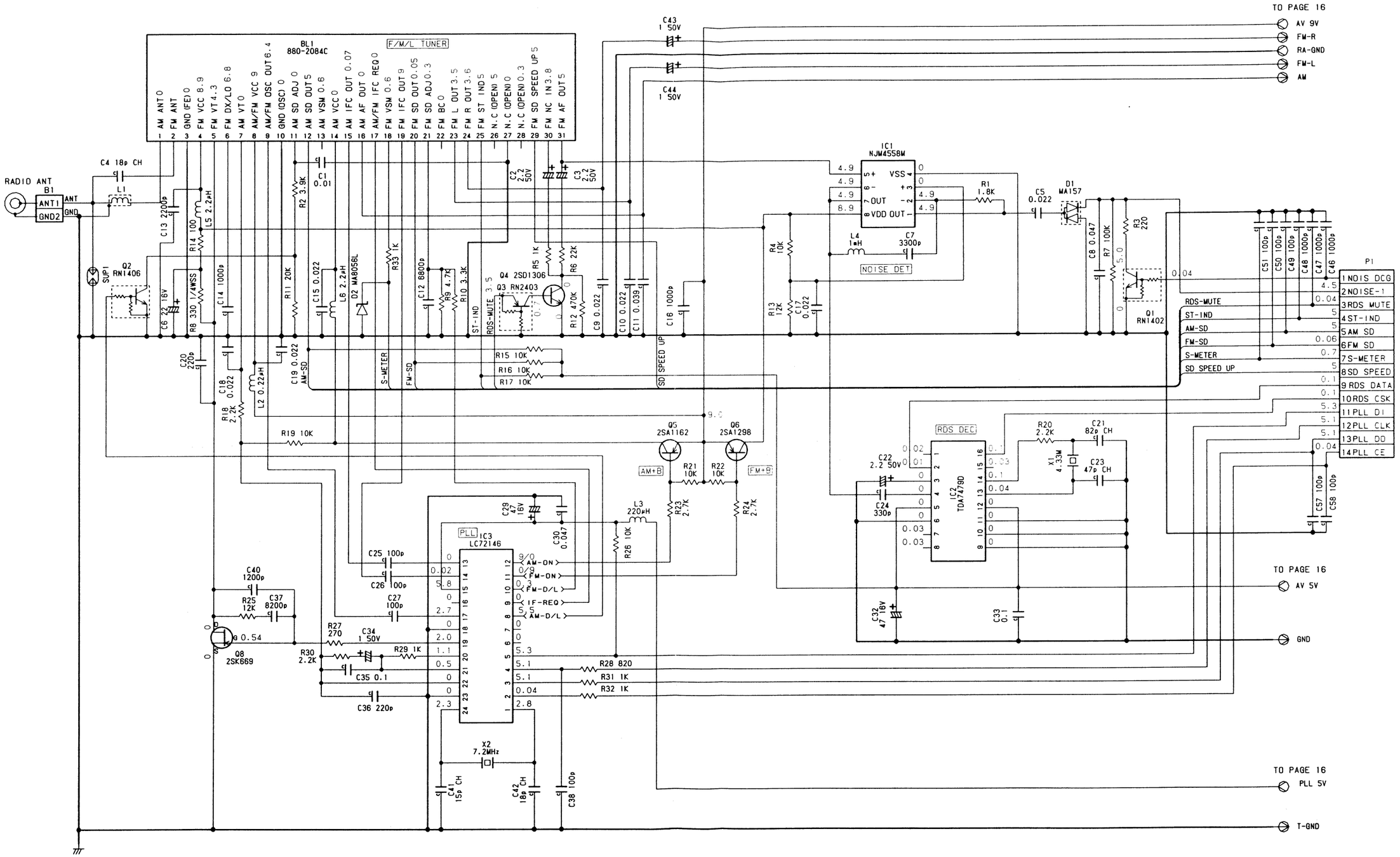
REF No.	PART No.	DESCRIPTION
C701	163-1063-55	35V10 μF
C702	168-1045-56	0.1 μF
C703	166-1011-50	100pF CH
C704	176-2221-50	2200pF CH
C705	163-4753-55	35V4.7 μF
C706	176-1021-50	1000pF CH
C707	166-1011-50	100pF CH
C708	168-1022-55	1000pF
C709	042-0595-65	16V47 μF
C710	042-0528-50	35V15 μF
C711	163-2273-25	10V 220 μF
C712	042-0528-50	35V15 μF
C713	042-0595-65	16V47 μF
C714	042-0528-50	35V15 μF
C715	168-1045-56	0.1 μF
C716	042-0452-00	6.3V330 μF
C717	163-3363-45	25V33 μF
C718	168-1045-56	0.1 μF
C719	042-0595-62	16V10 μF
C720	168-1045-56	0.1 μF
C721	168-1045-56	0.1 μF
C722	042-0595-62	16V10 μF
C723	168-1045-56	0.1 μF
C724	178-1055-79	1 μF
C725	178-3332-78	0.033 μF
C726	168-1022-55	1000pF
C728	042-0595-62	16V10 μF
C729	163-1073-35	16V100 μF
C730	168-1032-55	0.01 μF
C731	176-1521-50	1500pF CH
C732	178-1055-79	1 μF
C733	042-0595-81	50V3.3 μF
C734	042-0452-00	6.3V330 μF
C735	178-2242-78	0.22 μF
C736	168-2232-55	0.022 μF
C737	168-2222-55	2200pF
C738	042-0595-62	16V10 μF
C740	166-5601-50	56pF CH
C741	168-2222-55	2200pF
C742	168-1045-56	0.1 μF
C743	168-1032-55	0.01 μF
C744	168-1032-55	0.01 μF
C745	178-4742-78	0.47 μF
C746	178-4742-78	0.47 μF
C747	178-4742-78	0.47 μF
C748	168-1032-55	0.01 μF
C749	042-0595-79	50V1 μF
C750	166-1201-50	12pF CH
C751	168-8212-55	820pF
C752	166-2201-50	22pF CH
C753	043-0499-52	0.082 μF
C754	168-6812-55	680pF
C755	042-0397-50	16V1 μF TAN
C756	166-5601-52	56pF RH
C757	168-1032-55	0.01 μF
C758	168-1032-55	0.01 μF
C759	168-4735-56	0.047 μF
C760	168-1032-55	0.01 μF
C761	168-1032-55	0.01 μF
C762	168-1032-55	0.01 μF
C763	178-1055-79	1 μF
C764	166-8201-50	82pF CH
C765	168-1032-55	0.01 μF
C766	178-1055-79	1 μF
C767	168-1032-55	0.01 μF
C768	168-1032-55	0.01 μF

REF No.	PART No.	DESCRIPTION
C769	178-1055-79	1 μF
C770	178-1055-79	1 μF
C771	178-1055-79	1 μF
C772	042-0595-65	16V47 μF
C774	178-1055-79	1 μF
C775	042-0595-77	50V0.47 μF
C776	168-1032-55	0.01 μF
C777	166-8097-50	8pF CH
C778	166-8097-50	8pF CH
C779	168-1045-56	0.1 μF
C780	178-1055-79	1 μF
C781	042-0595-81	50V3.3 μF
C782	168-1032-55	0.01 μF
C783	178-2232-55	0.022 μF
C784	043-0499-52	0.082 μF
C785	178-1055-79	1 μF
C901	178-1055-79	1 μF
D701	001-2606-90	M1FS4
D702	001-2606-90	M1FS4
D703	001-0516-90	MA111
D704	001-0516-90	MA111
D706	001-2606-90	M1FS4
D707	001-0529-46	MA8091-L
D708	001-0516-90	MA111
D709	001-0506-90	DAN202K
D710	001-0506-90	DAN202K
D711	001-0516-90	MA111
D712	001-0516-90	MA111
D713	001-0516-90	MA111
D714	001-0516-90	MA111
D715	001-0516-90	MA111
D716	001-0516-90	MA111
D717	001-0516-90	MA111
D719	001-0516-90	MA111
D726	001-0516-90	MA111
D901	001-7011-96	CL-150SR-CD
D902	001-7011-96	CL-150SR-CD
F701	060-8023-52	0.75A
IC701	051-7214-38	MC74HC595AF
IC702	051-3903-90	NJM2368M
IC703	051-7202-08	TC7S32F
IC704	051-1292-90	NJM4565M-D
IC705	051-0599-91	NJM2903M
IC706	051-3601-91	TL494CNS
IC707	051-5313-10	IR3Y29BM
IC708	051-1250-08	TC4S66F
IC709	051-1250-08	TC4S66F
IC710	051-7232-08	74VHC4066M
IC711	051-1250-08	TC4S66F
IR901	060-4005-02	GP1U261X
J103	074-1136-00	15P
J701	074-1189-85	35P
J702	076-0624-80	30P
J704	074-1199-74	24P
J901	074-1242-80	30P
L701	010-3010-50	100 μH
L702	010-2174-74	100 μH
L703	010-3010-50	100 μH
L704	010-2174-74	100 μH
L705	010-2199-80	33 μH J
L706	010-3014-62	100 μH
L707	010-3014-62	100 μH
L708	010-2199-83	56 μH J
L709	010-4013-00	23.9 μH
L710	010-2199-80	33 μH J
P701	076-0529-02	2P

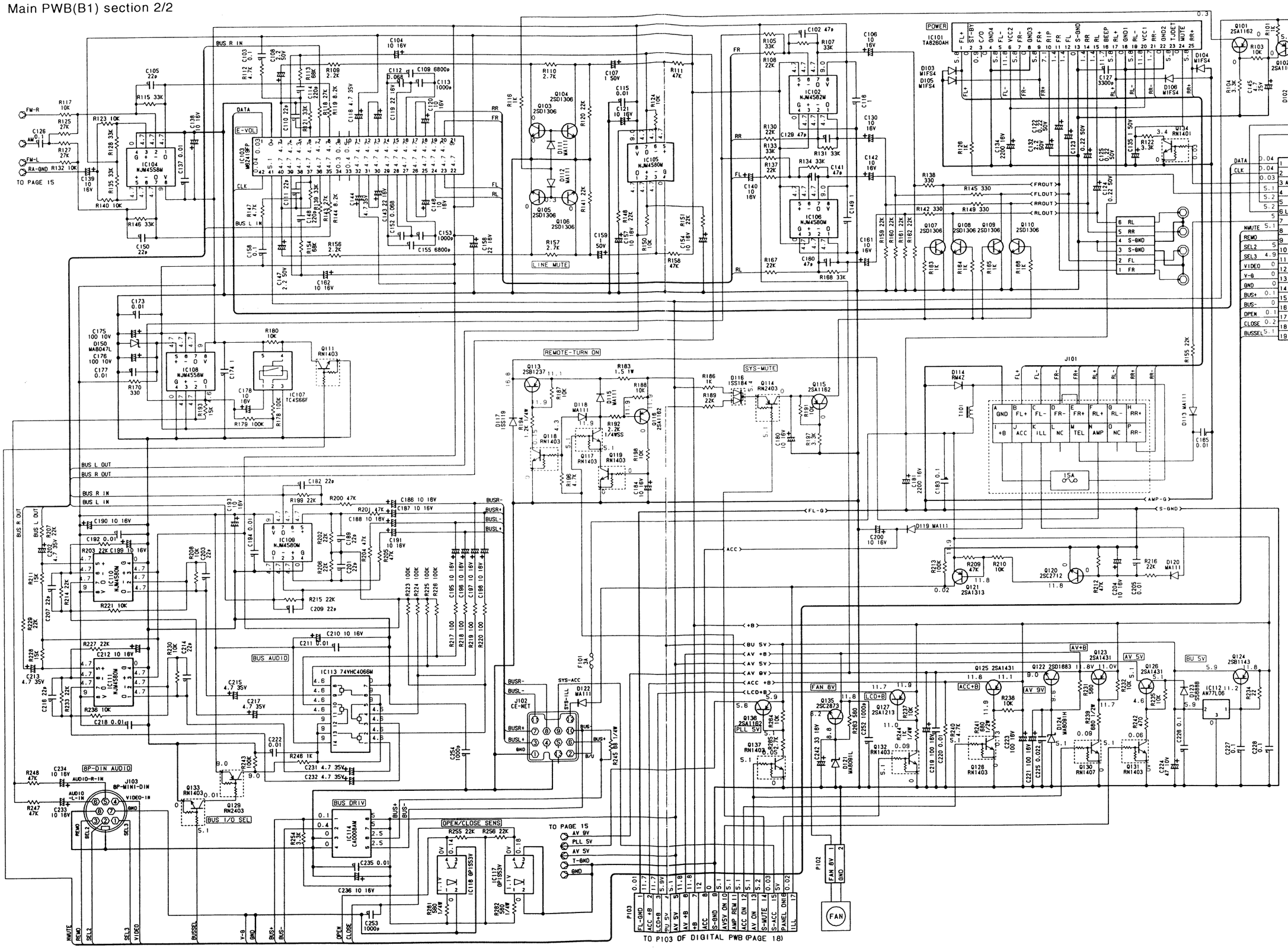
REF No.	PART No.	DESCRIPTION
Q701	190-1213-00	2SA1213
Q702	125-2004-92	RN1402
Q703	125-2036-90	FB1J3P
Q704	192-2873-00	2SC2873
Q705	190-1738-00	2SA1738
Q706	125-0002-93	RN2403
Q707	125-2004-92	RN1402
Q708	125-2004-92	RN1402
Q709	125-2004-92	RN1402
Q710	125-2004-93	RN1403
Q711	125-2004-92	RN1402
Q712	192-3326-00	2SC3326
Q713	197-0528-00	2SJ528(S)-TL
Q714	192-2712-00	2SC2712
Q715	125-2004-92	RN1402
Q716	125-2004-92	RN1402
Q717	192-2873-00	2SC2873
Q718	192-2873-00	2SC2873
Q719	190-1738-00	2SA1738
Q720	125-2004-92	RN1402
Q721	125-2004-93	RN1403
Q722	125-2004-93	RN1403
Q723	125-0002-92	RN2402
Q726	192-2712-00	2SC2712
R701	032-0104-53	1/4W 1kΩ
R702	119-2221-15	1/16W 2.2kΩ
R703	119-1001-15	1/16W 10Ω
R704	119-6841-15	1/16W 680kΩ
R705	119-3931-15	1/16W 39kΩ
R706	119-6841-15	1/16W 680kΩ
R707	119-2231-15	1/16W 22kΩ
R708	119-1841-15	1/16W 180kΩ
R709	119-3311-15	1/16W 330Ω
R710	119-1031-15	1/16W 10kΩ
R711	119-2231-15	1/16W 22kΩ
R712	119-2211-15	1/16W 220Ω
R713	119-4731-15	1/16W 47kΩ
R714	119-4711-15	1/16W 470Ω
R715	119-1031-15	1/16W 10kΩ
R716	119-1031-15	1/16W 10kΩ
R717	119-4701-15	1/16W 47Ω
R718	119-1031-15	1/16W 10kΩ
R719	119-1531-15	1/16W 15kΩ
R720	119-1031-15	1/16W 10kΩ
R721	119-2221-15	1/16W 2.2kΩ
R722	119-4721-15	1/16W 4.7kΩ
R723	119-2731-15	1/16W 27kΩ
R724	119-2231-15	1/16W 22kΩ
R725	119-2231-15	1/16W 22kΩ
R726	119-1041-15	1/16W 100kΩ
R727	119-4731-15	1/16W 47kΩ
R728	119-2231-15	1/16W 22kΩ
R729	119-2231-15	1/16W 22kΩ
R730	119-4731-15	1/16W 47kΩ
R731	119-1021-15	1/16W 1kΩ
R732	119-3301-15	1/16W 33Ω
R733	119-3321-15	1/16W 3.3kΩ
R734	119-1021-15	1/16W 1kΩ
R735	119-1031-15	1/16W 10kΩ
R736	119-4721-15	1/16W 4.7kΩ
R737	119-2221-15	1/16W 2.2kΩ
R738	119-5621-15	1/16W 5.6kΩ
R739	119-5621-15	1/16W 5.6kΩ
R740	119-1021-15	1/16W 1kΩ
R741	119-1021-15	1/16W 1kΩ
R742	119-3321-15	1/16W 3.3kΩ

■ CIRCUIT DIAGRAM

Main PWB(B1) section 1/2



Main PWB(B1) section 2/2



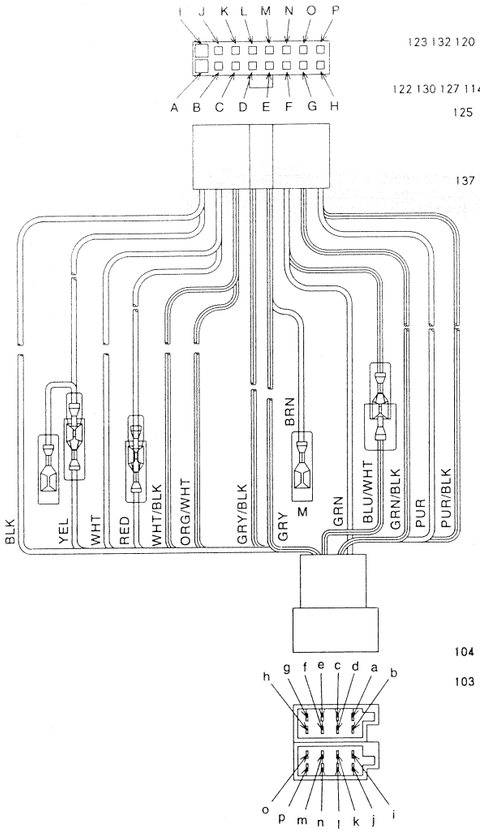
■ PRINTED WIRING BOARD

Main PWB(B1) section

1	SEL3
2	SEL2
3	REMOTE CONTROL
4	VIDEO IN
5	AUDIO R-IN
6	AUDIO L-IN
7	GND
8	S-GND

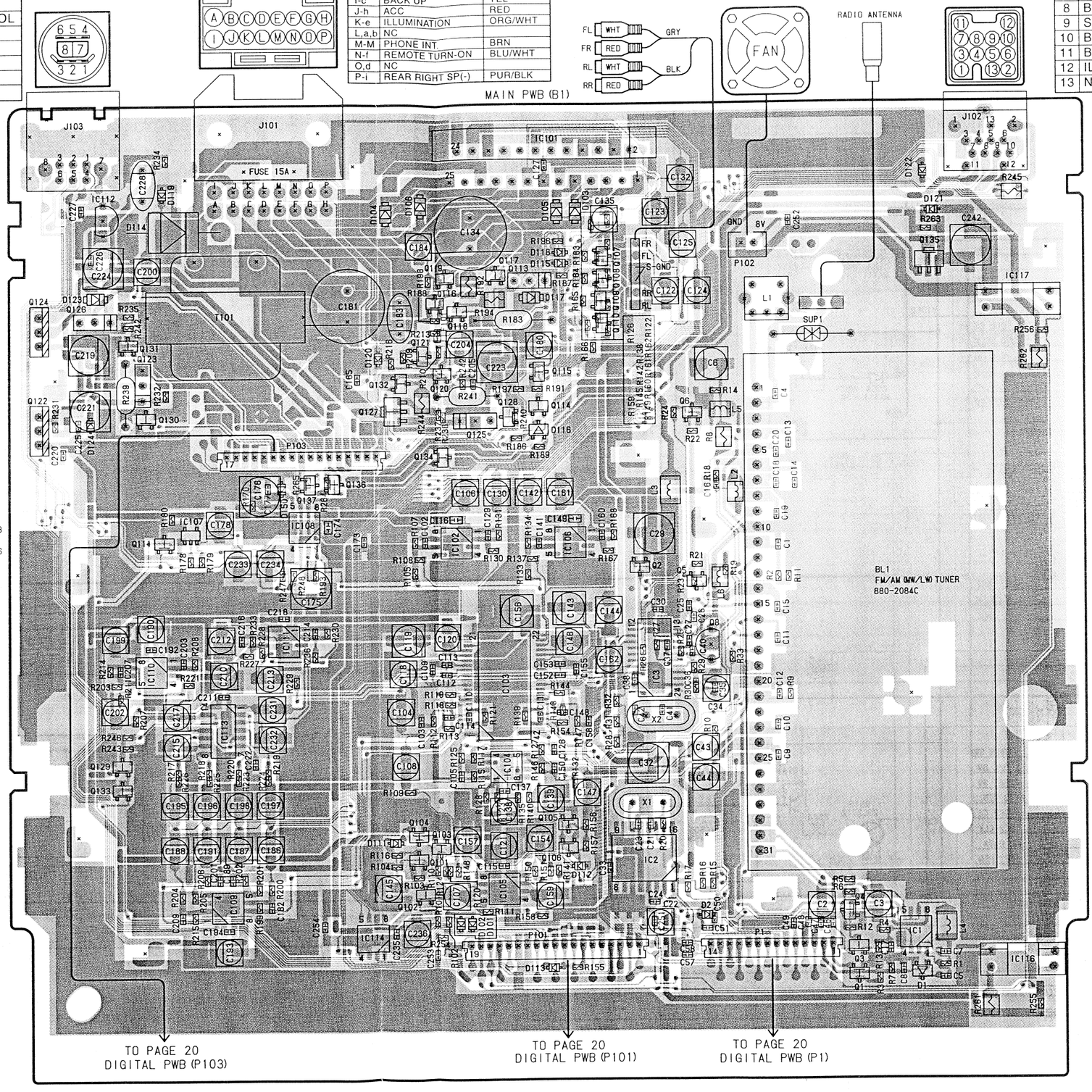
A-g	GND	BLK
B-n	FRONT LEFT SP(+)	WHT
C-m	FRONT LEFT SP(-)	WHT/BLK
D-k	FRONT RIGHT SP(-)	GRY/BLK
E-l	FRONT RIGHT SP(+)	GRY
F-p	REAR LEFT SP(+)	GRN
G-o	REAR LEFT SP(-)	GRN/BLK
H-j	REAR RIGHT SP(+)	PUR
I-c	BACK UP	YEL
J-h	ACC	RED
K-e	ILLUMINATION	ORG/WHT
L,a,b	NC	
M-M	PHONE INT.	BRN
N-f	REMOTE TURN-ON	BLU/WHT
O,d	NC	
P-i	REAR RIGHT SP(-)	PUR/BLK

1	GND
2	BACK UP
3	BUS L-ch(+)
4	NC
5	NC
6	BUS(+)
7	BUS R-ch(+)
8	BUS R-ch(-)
9	SYS ACC
10	BUS(-)
11	BUS O-ch(-)
12	ILLUMINATION
13	NC



Q IC

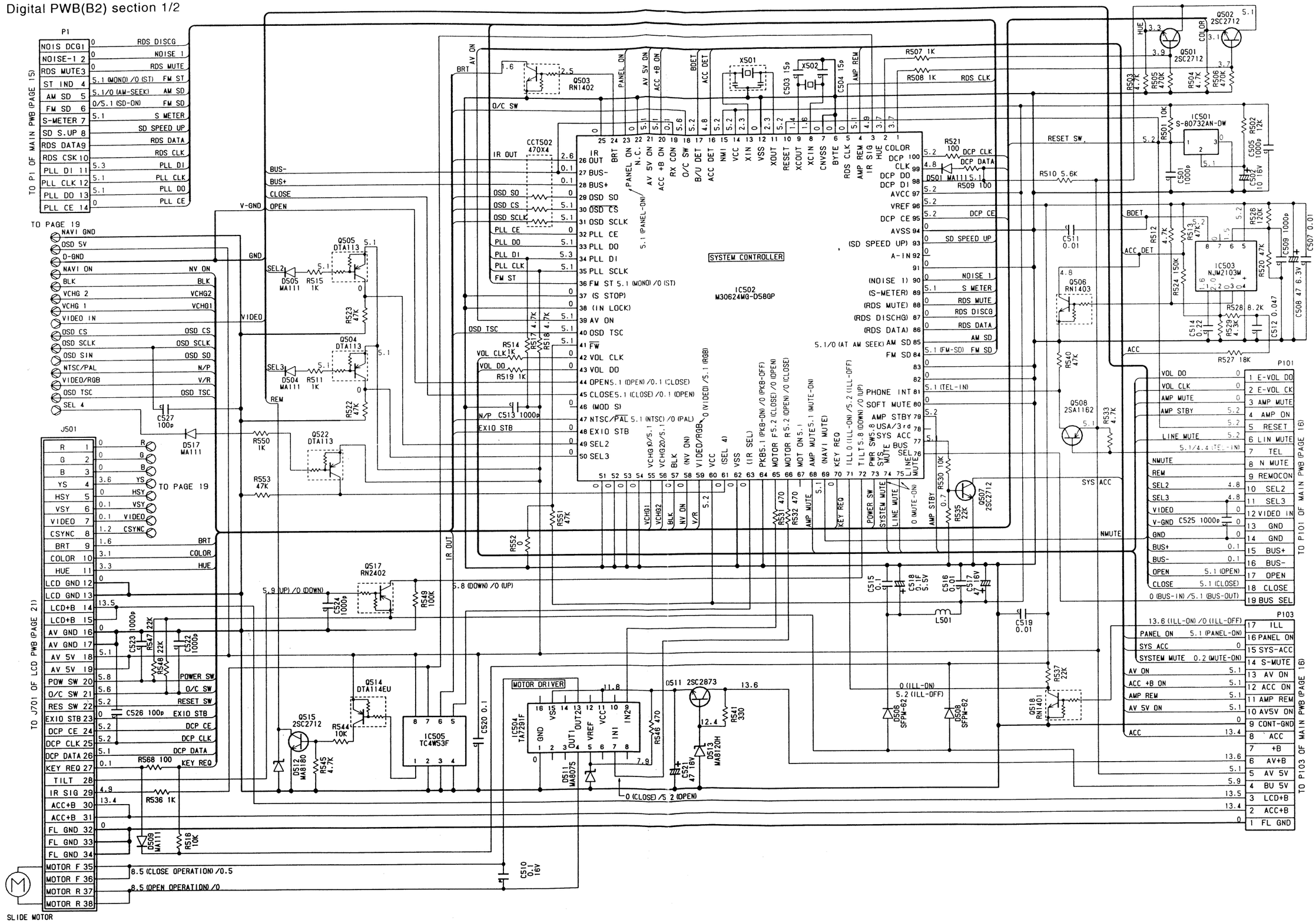
101 112 107 135 119 117 113 108 116 109 117 124 126 118 110 131 121 123 132 120 115 122 130 127 114 6 125 128 134 137 136 107 108 111 102 106 2 5 8 111 110 3 103 113 129 104 133 104 105 103 106 101 2 102 105 109 4 114 1 3 116 1

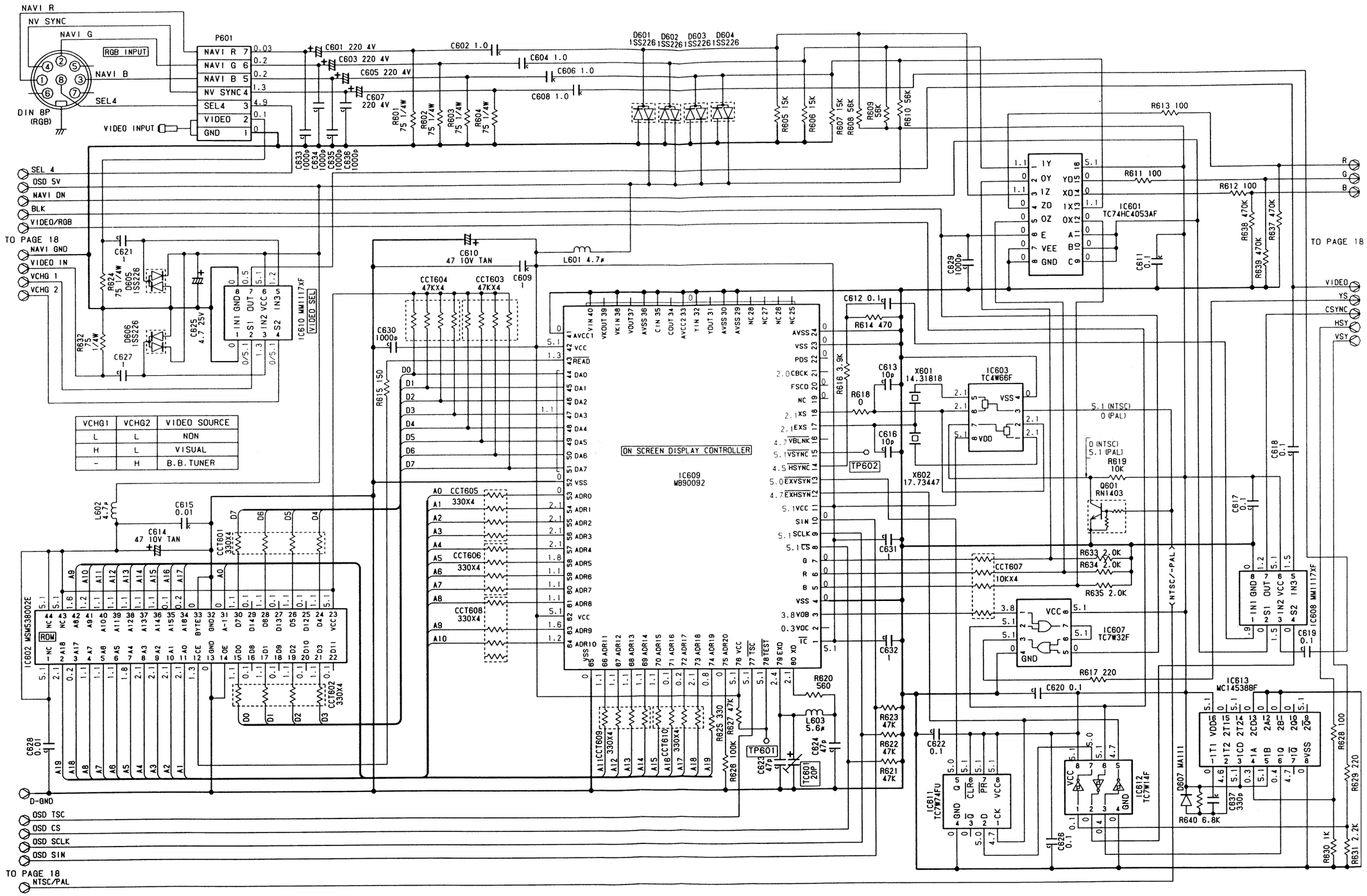


VRX613R

■ CIRCUIT DIAGRAM

Digital PWB(B2) section 1/2

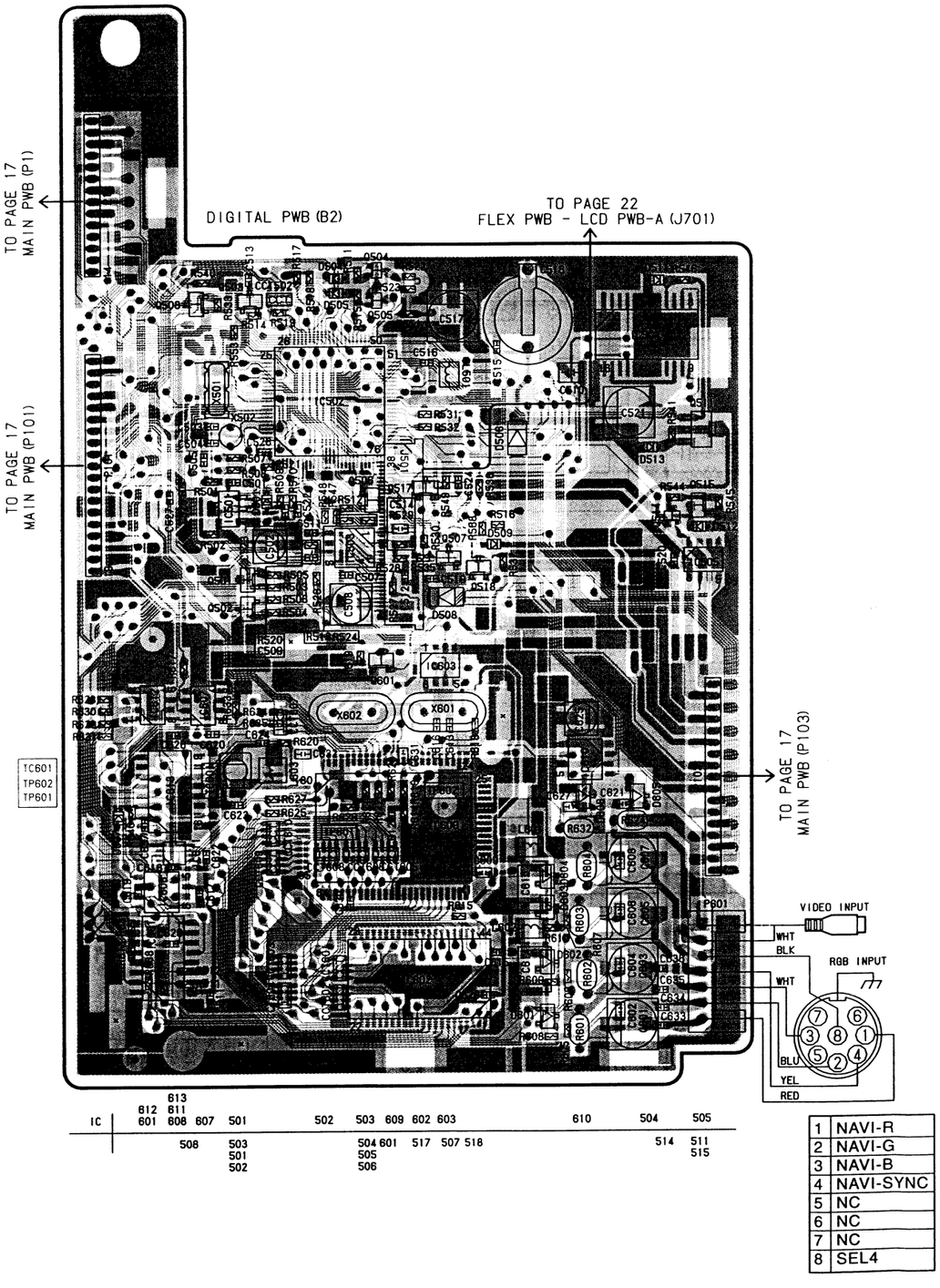




VCHG1	VCHG2	VIDEO SOURCE
L	L	NON
H	L	VISUAL
-	H	B.B.TUNER

■ PRINTED WIRING BOARD

Digital PWB(B2)section

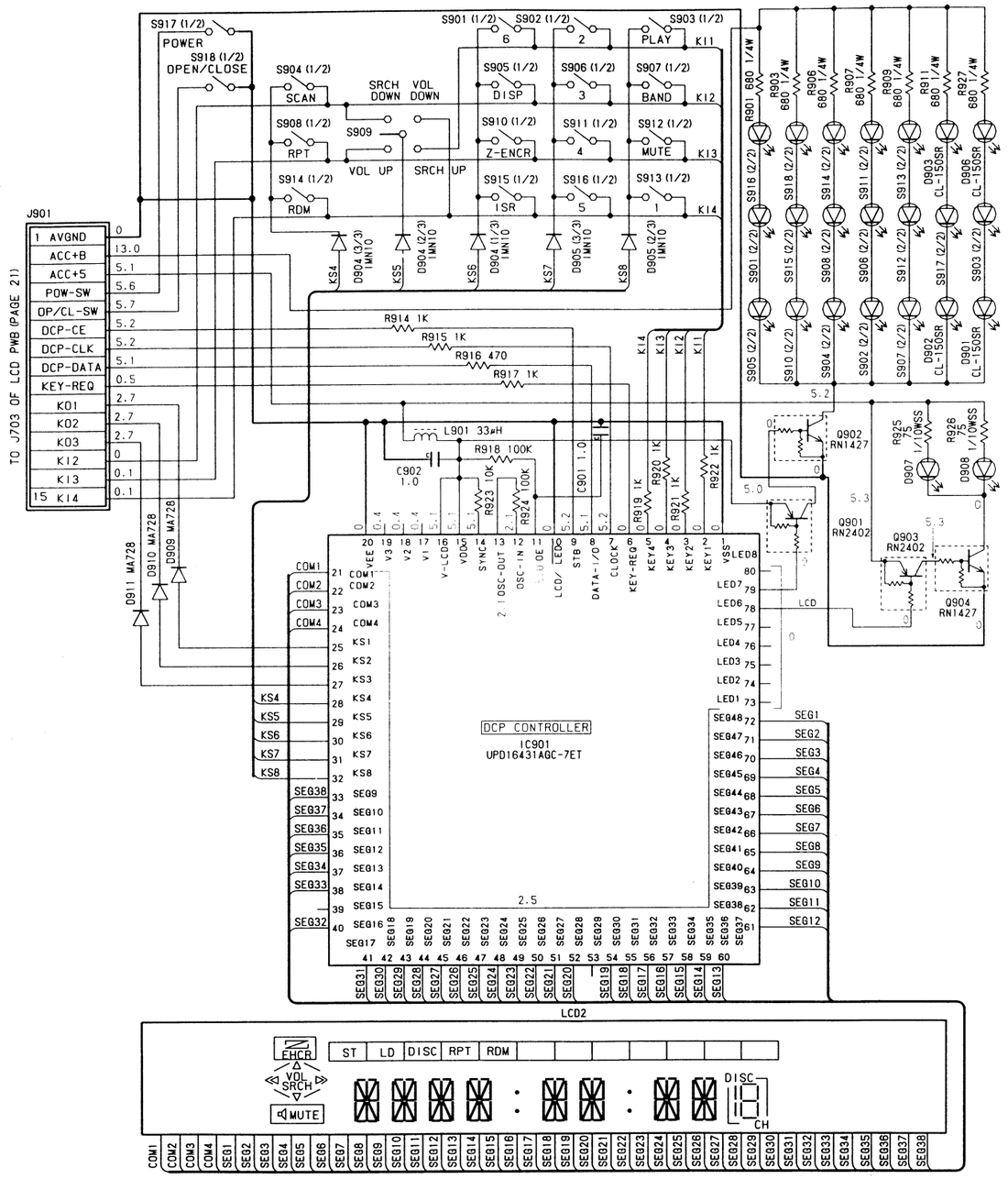


IC	613 612 611 601 608 607	501	502	503 609 602 603	610	504	505
	508	503 501 502		504 601 517 507 518 505 506		514	511 515

1	NAVI-R
2	NAVI-G
3	NAVI-B
4	NAVI-SYNC
5	NC
6	NC
7	NC
8	SEL4

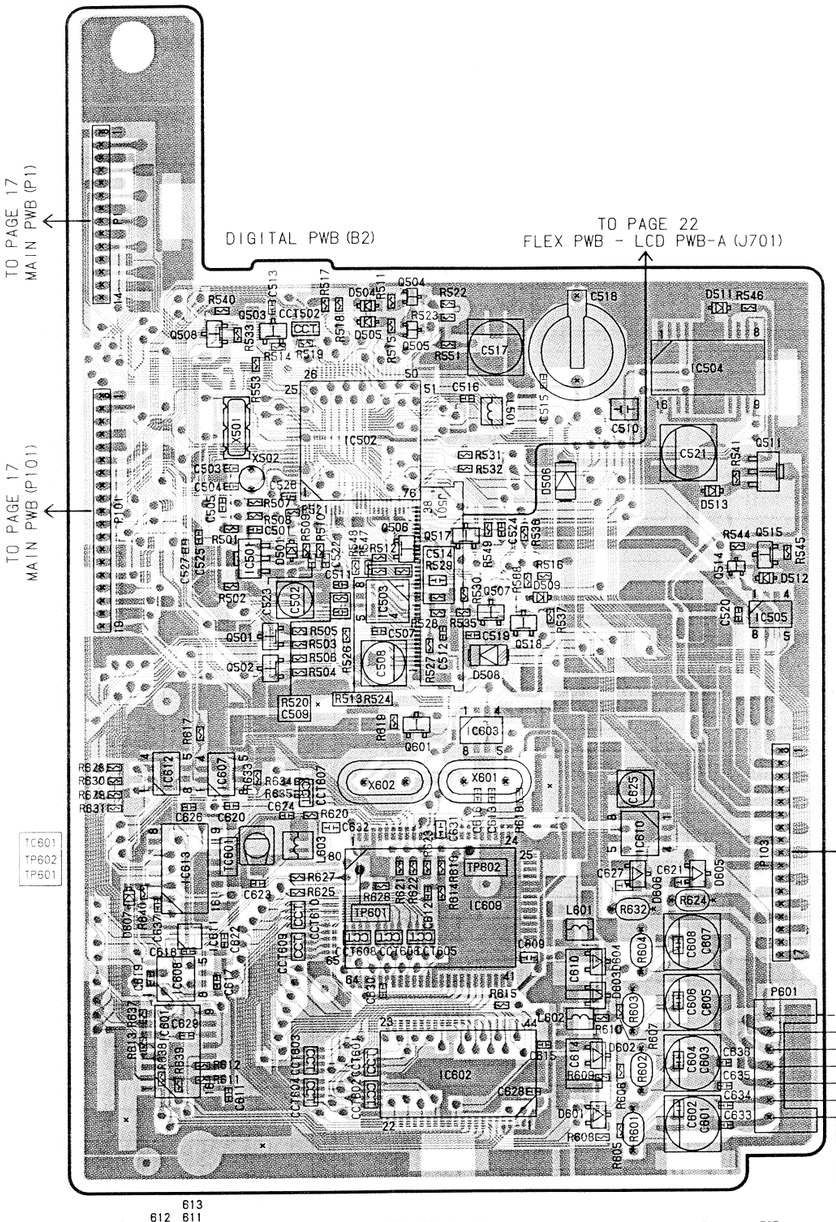
■ CIRCUIT DIAGRAM

DCP PWB(B4) section



PRINTED WIRING BOARD

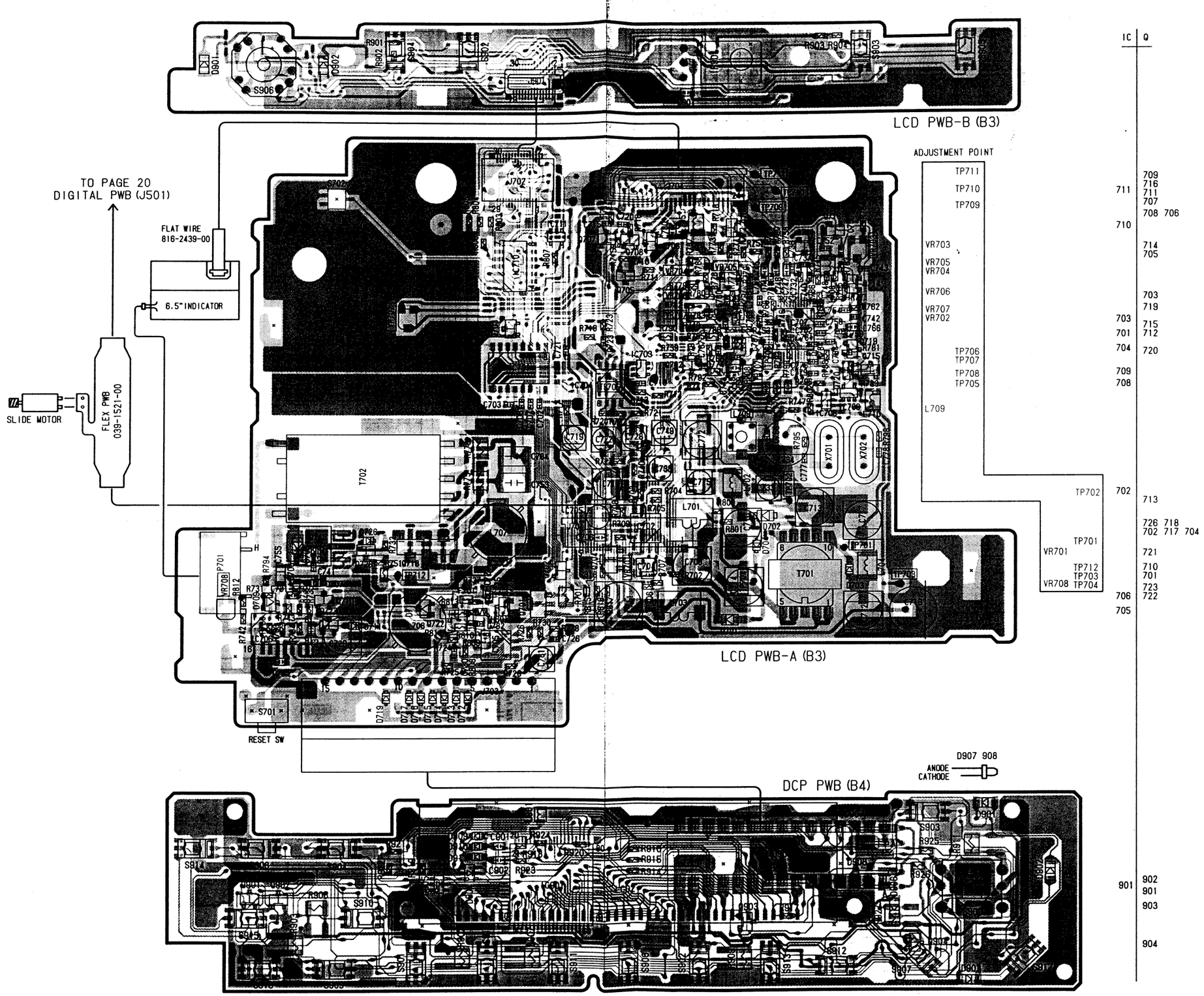
Digital PWB(B2)section



| IC | | |

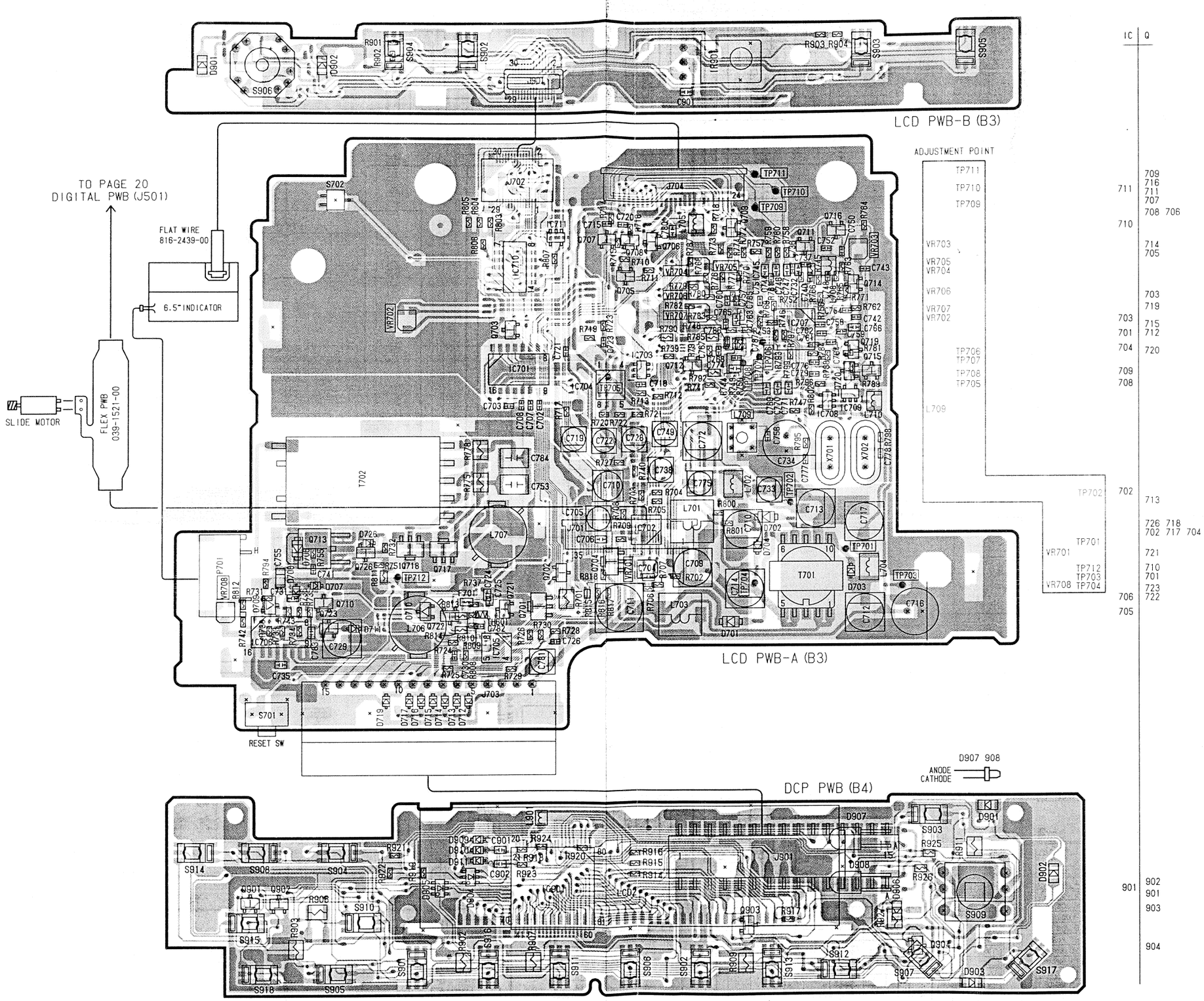
■PRINTED WIRING BOARD

LCD PWB(B3) / DCP PWB(B4) section



PRINTED WIRING BOARD

LCD PWB(B3) / DCP PWB(B4) section



LCD PWB(B3) section